

SEQUENCE LISTING

<110> Contreras, Roland
DeBacker, Marianne
Luyten, Walter
Lanaerts, Isabelle
Nelissen, Bart
Reekmans, Rieka

<120> Cell death related drug targets in yeast and fungi

<130> JAN-002-PCT

<140> PCT/BE00/00077

<141> 2000-07-03

<150> 99870141.1

<151> 1999-07-01

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<170> PatentIn Ver. 2.1

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Asp Val Ile Pro Asn Ala Ile Val Ile Lys Asn Ile Pro Phe Ala Ile
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Ala Phe Ala Asn Phe Thr Thr Pro Glu Glu Thr Thr Gln Val Ile Thr
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Leu Ser Leu Asp Ser Leu Ser Lys Met Ser Gly Ser Gly Asn Asn Asn
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<211> 1057

<212> PRT

<213> Candida albicans

<400> 10

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```

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Ala His Met Lys Lys Gln Arg Ile Ser His His Asp Asp Ser His Gln
      20             25             30

```

```

Phe Pro Ser Lys Lys Gln Arg Ile Ser His His Asp Asp Ser His Gln
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```

Ile Asn His Arg Pro Val Thr Ser Cys Thr His Cys Arg Gln His Lys
      50             55             60

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Ile Lys Cys Asp Ala Ser Gln Asn Phe Pro His Pro Cys Ser Arg Cys

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Ser	Lys	Leu	Asp	Thr	Leu	Leu	Ala	Asn	Asp	Ser	Val	Phe	Val	His	Leu			
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Thr	Thr	Thr	Thr	Asn	Gln	Pro	Pro	Phe	Ala	Ala	Thr	Ser	His	Val	Ala			
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His	Ile	Phe	Val	Thr	Arg	Tyr	Leu	Pro	Tyr	Phe	Pro	Ile	Met	Tyr	Ser			
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Arg Thr Pro Arg Ser Thr His Ile Ser Gln Ala Leu Leu Ile Leu Cys 420 425 430		
Ile Trp Pro Leu Pro Asn Gln Lys Val Leu Asp Asp Cys Ser Tyr Arg 435 440 445		
Phe Val Gly Leu Ala Lys Ser Leu Ser Tyr Gln Leu Gly Leu His Arg 450 455 460		
Gly Glu Phe Ile Ser Glu Phe Thr Arg Thr Gln Thr Ser Met Pro Asn 465 470 475 480		
Ala Glu Lys Trp Arg Thr Arg Thr Trp Leu Gly Ile Phe Phe Ala Glu 485 490 495		
Leu Cys Trp Ala Ser Ile Leu Gly Leu Pro Pro Thr Ser Gln Thr Asp 500 505 510		
Tyr Leu Leu Glu Lys Ala Leu Ser Cys Gly Asp Glu Glu Ser Glu Glu 515 520 525		
Asp Asn Asn Asp Ser Ile Asp Asn Asn Asn Asn Asp Lys Arg Asn Lys 530 535 540		
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Arg Ala Glu Thr Leu Ser Ile Leu Gly Lys Glu Leu Asp Leu Leu Ala 595 600 605		
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Tyr Val Lys Leu Thr Val Cys Cys Phe Ala Phe Leu Pro Glu Thr Pro 625 630 635 640		
Pro Thr Asp Gln Ile Pro Tyr Val Thr Glu Ala Tyr Leu Thr Ala Thr 645 650 655		
Lys Ile Val Thr Leu Leu Asn Asn Leu Leu Glu Thr His Gln Leu Ile 660 665 670		
Glu Leu Pro Ile Tyr Ile Arg Gln Ala Ala Thr Phe Ser Ala Leu Ile		

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Leu	Thr	Ala	Trp	Ala	Thr	Ser	Val	Glu	Asn	Asp	Ile	Ser	Arg	Thr	Ala
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Ser	Met	Leu	Glu	Lys	Leu	Asn	Phe	Val	Leu	Ile	Met	His	Pro	Glu	Val
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Phe	Val	Glu	Glu	Asp	Gly	Ile	Ile	Ser	Arg	Met	Arg	Ser	His	Leu	Thr
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Gly	Ser	Leu	Phe	Tyr	Asp	Leu	Val	Trp	Cys	Val	His	Glu	Ala	Arg	Arg
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Arg	Glu	Met	Asp	Pro	Glu	Tyr	Asn	Lys	Gln	Ala	Leu	Glu	Lys	Ala	Ala
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Lys	Lys	Arg	Lys	Phe	Ser	Ser	Asn	Gly	Ile	Tyr	Asn	Gly	Thr	Ser	Ser
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Thr	Gly	Gly	Ile	Thr	Asp	Arg	Lys	Leu	Tyr	Pro	Leu	Pro	Leu	Tyr	Asn
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His	Ile	Ser	Arg	Asp	Asp	Phe	Glu	Thr	Val	Thr	Lys	Thr	Thr	Pro	Ser
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Gly	Thr	Thr	Val	Thr	Thr	Leu	Val	Pro	Thr	Lys	Asn	Ala	Leu	Lys	Gln
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Ala	Glu	Lys	Leu	Ala	Lys	Thr	Asn	Asn	Gly	Asp	Ser	Asp	Gly	Ser	Ile
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Asn	Asn	Asn	Arg	Thr	Leu	Leu	Asp	Ala	Ser	Asn	Asp	Ile	Ser	Ile	Pro
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Ser	Asn	Ser	Ile	Tyr	Pro	Val	Ala	Ser	Val	Pro	Ala	Ser	Asn	Asn	Asn
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Pro	Gln	Ser	Thr	Lys	Val	Asp	Tyr	Tyr	Ser	Asn	Gly	Pro	Ser	Val	Ile
945					950					955					960
Pro	Asp	Leu	Ser	Met	Lys	Arg	Ser	Val	Ser	Thr	Pro	Val	Asn	His	Phe
					965					970					975
Pro	Ala	Ser	Val	Pro	Gly	Leu	Arg	Asn	His	Pro	Val	Gly	Asn	Leu	Ser

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Asn Leu Gln Asn Val Thr Met Asn Tyr Asn Asn Gln Phe Ser Asn Ala		
1010	1015	1020
Asn Ala Ile Gly Arg Ser Gln Ser Ser Met Ser His Ser Arg Thr Pro		
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		1040
Leu Phe Arg Ser Ile Tyr Asp Ser Trp Ile Pro Arg Pro Thr Pro Val		
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Leu

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 <212> DNA
 <213> Candida albicans

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 aattatgaaa acaactcata taaatacgt acaatttttc tctactcgaa gtgatataga 240
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 Cys Glu Lys Ala Glu Lys Ser Asp Ile Pro Glu Ile Asp Lys Arg Lys
 35 40 45

Tyr Leu Val Pro Ala Asp Leu Thr Val Gly Gln Phe Val Tyr Val Ile
 50 55 60

Arg Lys Arg Ile Met Leu Pro Pro Glu Lys Ala Ile Phe Ile Phe Val
 65 70 75 80

Asn Asp Thr Leu Pro Pro Thr Ala Ala Leu Met Ser Ala Ile Tyr Gln
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Glu His Lys Asp Lys Asp Gly Phe Leu Tyr Val Thr Tyr Ser Gly Glu
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Asn Thr Phe Gly Arg
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 <212> DNA
 <213> Candida albicans

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<210> 14
 <211> 214
 <212> PRT
 <213> Candida albicans

<400> 14
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Tyr Ala Pro Arg Arg Gln Leu Ala Asn Thr Pro Ala Lys Asp Ser Thr
 35 40 45
 Gly Lys Glu Val Ala Arg Pro Asn Asn Tyr Ala Gly Ala Leu Tyr Asp
 50 55 60
 Pro Arg Asp Glu Thr Leu Asp Asp Trp Phe Asp Asn Asp Leu Ser Leu
 65 70 75 80
 Phe Pro Ser Gly Phe Gly Phe Pro Arg Ser Val Ala Val Pro Val Asp
 85 90 95
 Ile Leu Asp His Asp Asn Asn Tyr Glu Leu Lys Val Val Val Pro Gly
 100 105 110
 Val Lys Ser Lys Lys Asp Ile Asp Ile Glu Tyr His Gln Asn Lys Asn
 115 120 125
 Gln Ile Leu Val Ser Gly Glu Ile Pro Ser Thr Leu Asn Glu Glu Ser
 130 135 140
 Lys Asp Lys Val Lys Val Lys Glu Ser Ser Ser Gly Lys Phe Lys Arg
 145 150 155 160
 Val Ile Thr Leu Pro Asp Tyr Pro Gly Val Asp Ala Asp Asn Ile Lys
 165 170 175
 Ala Asp Tyr Ala Asn Gly Val Leu Thr Leu Thr Val Pro Lys Leu Lys
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<210> 15

<211> 3377

<212> DNA

<213> Candida albicans

<400> 15

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<210> 16

<211> 958

<212> PRT

<213> Candida albicans

<400> 16

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Val	Pro	Ser	Thr	Lys	Asn	Asp	Gly	Gly	Lys	Tyr	Gln	Met	Pro	Leu	Ser	
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Gln	Leu	Phe	Ser	Leu	Asn	Thr	Val	Lys	Arg	Phe	Lys	Ser	Val	Thr	Lys	
225					230					235					240	
Gln	Thr	Asn	Glu	His	Met	Thr	Thr	Val	Pro	Lys	Thr	Ser	Gln	Asn	Ser	
				245					250					255		
Lys	Ala	Lys	Lys	Tyr	Tyr	Pro	Val	Phe	Asp	Val	Asn	Lys	Ile	Asp	Asn	
			260					265					270			
Pro	Ile	Val	Met	Asn	Lys	Asn	Ala	Ala	Ala	Glu	Val	Asp	Val	Ile	Val	
	275						280						285			
Asp	Pro	Leu	Leu	Gly	Lys	Phe	Leu	Arg	Pro	His	Gln	Arg	Glu	Gly	Val	
	290					295					300					
Lys	Phe	Met	Tyr	Asp	Cys	Leu	Met	Gly	Leu	Ala	Arg	Pro	Thr	Ile	Glu	
305					310					315					320	
Asn	Pro	Asp	Ile	Asp	Cys	Thr	Thr	Lys	Ser	Leu	Val	Leu	Glu	Asn	Asp	
				325					330					335		

Ser Asp Ile Ser Gly Cys Leu Leu Ala Asp Asp Met Gly Leu Gly Lys
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 Thr Leu Met Ser Ile Thr Leu Ile Trp Thr Leu Ile Arg Gln Thr Pro
 355 360 365
 Phe Ala Ser Lys Val Ser Cys Ser Gln Ser Gly Ile Pro Leu Thr Gly
 370 375 380
 Leu Cys Lys Lys Ile Leu Val Val Cys Pro Val Thr Leu Ile Gly Asn
 385 390 395 400
 Trp Lys Arg Glu Phe Gly Lys Trp Leu Asn Leu Ser Arg Ile Gly Val
 405 410 415
 Leu Thr Leu Ser Ser Arg Asn Ser Pro Asp Met Asp Lys Met Ala Val
 420 425 430
 Arg Asn Phe Leu Lys Val Gln Arg Thr Tyr Gln Val Leu Ile Ile Gly
 435 440 445
 Tyr Glu Lys Leu Leu Ser Val Ser Glu Glu Leu Glu Lys Asn Lys His
 450 455 460
 Leu Ile Asp Met Leu Val Cys Asp Glu Gly His Arg Leu Lys Asn Gly
 465 470 475 480
 Ala Ser Lys Ile Leu Asn Thr Leu Lys Ser Leu Asp Ile Arg Arg Lys
 485 490 495
 Leu Leu Leu Thr Gly Thr Pro Ile Gln Asn Asp Leu Asn Glu Phe Phe
 500 505 510
 Thr Ile Ile Asp Phe Ile Asn Pro Gly Ile Leu Gly Ser Phe Ala Ser
 515 520 525
 Phe Lys Arg Arg Phe Ile Ile Pro Ile Thr Arg Ala Arg Asp Thr Ala
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 Asn Arg Tyr Asn Glu Glu Leu Leu Glu Lys Gly Glu Glu Arg Ser Lys
 545 550 555 560
 Glu Met Ile Glu Ile Thr Lys Arg Phe Ile Leu Arg Arg Thr Asn Ala
 565 570 575
 Ile Leu Glu Lys Tyr Leu Pro Pro Lys Thr Asp Ile Ile Leu Phe Cys
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 Lys Pro Tyr Ser Gln Gln Ile Leu Ala Phe Lys Asp Ile Leu Gln Gly
 595 600 605
 Ala Arg Leu Asp Phe Gly Gln Leu Thr Phe Ser Ser Ser Leu Gly Leu
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 Ile Thr Leu Leu Lys Lys Val Cys Asn Ser Pro Gly Leu Val Gly Ser
 625 630 635 640

Asp Pro Tyr Tyr Lys Ser His Ile Lys Asp Thr Gln Ser Gln Asp Ser
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 Tyr Ser Arg Ser Leu Asn Ser Gly Lys Leu Lys Val Leu Met Thr Leu
 660 665 670
 Leu Glu Gly Ile Arg Lys Gly Thr Lys Glu Lys Val Val Val Val Ser
 675 680 685
 Asn Tyr Thr Gln Thr Leu Asp Ile Ile Glu Asn Leu Met Asn Met Ala
 690 695 700
 Gly Met Ser His Cys Arg Leu Asp Gly Ser Ile Pro Ala Lys Gln Arg
 705 710 715 720
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 740 745 750
 Ser Arg Leu Ile Leu Phe Asp Asn Asp Trp Asn Pro Ser Val Asp Leu
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 Gln Ala Met Ser Arg Ile His Arg Asp Gly Gln Lys Lys Pro Cys Phe
 770 775 780
 Ile Tyr Arg Leu Val Thr Thr Gly Cys Ile Asp Glu Lys Ile Leu Gln
 785 790 795 800
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 Glu Met Arg Asn Lys Glu Ser Ser Asn Asp Asp Leu Phe Asn Lys Glu
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 Asp Leu Lys Asp Leu Phe Ser Val His Thr Asp Thr Lys Ser Asn Thr
 835 840 845
 His Asp Leu Ile Cys Ser Cys Asp Gly Leu Gly Glu Glu Ile Glu Tyr
 850 855 860
 Pro Glu Thr Asn Gln Gln Gln Asn Thr Val Glu Leu Arg Lys Arg Ser
 865 870 875 880
 Thr Thr Thr Trp Thr Ser Ala Leu Asp Leu Gln Lys Lys Met Asn Glu
 885 890 895
 Ala Ala Thr Asn Asp Asp Ala Lys Lys Ser Gln Tyr Ile Arg Gln Cys
 900 905 910
 Leu Val His Tyr Lys His Ile Asp Pro Ala Arg Gln Asp Glu Leu Phe
 915 920 925
 Asp Glu Val Ile Thr Asp Ser Phe Thr Glu Leu Lys Asp Ser Ile Thr
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Phe Ala Phe Val Lys Pro Gly Glu Ile Cys Leu Arg Glu Gln
 945 950 955

<210> 17
 <211> 3341
 <212> DNA
 <213> Candida albicans

<400> 17
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 caaacaaggg cacttttttt tatctttttt ttttctctgt tgttttcaaa acaaaaagat 180
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 atttttcaac tgaaaaatag ttttcttttt gcagctatta ttgacttcat taagaaatat 300
 cccttttttc cccgttgcaa ttatttctat aagggaagct ggaaataggg ggctggaaaa 360
 gatatttgaa cagtcgctcc aataaccggt ctcaccatca ttaacatttt tgaaggtgaa 420
 tactgtttcg gtcgatttat ggctaatttg tcaaatacat ttgaaaaaga ttaaaacaag 480
 cacaagcggg tgagcatact atgtcgcaga caattacatc tctagatccg aattgtgtta 540
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 tgaatataca ttctattatc gaacctggcc atgatctgca aacaagctat gcgtttatta 660
 gaatccatca ggataatgag aaaccgcttt tttcattttt gcagaatctg gacttcattg 720
 aatccatcat accatatcat gatactgaat tgtccgatga tttgcataaa ctgatttcta 780
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<210> 18

<211> 946

<212> PRT

<213> Candida albicans

<400> 18

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Met Ser Gln Thr Ile Thr Ser Leu Asp Pro Asn Cys Val Ile Val Phe
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```

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Asn Lys Thr Ser Ser Ala Asn Glu Lys Ser Leu Asn Val Glu Phe Lys
          20              25              30

```

```

Arg Leu Asn Ile His Ser Ile Ile Glu Pro Gly His Asp Leu Gln Thr
      35              40              45

```

```

Ser Tyr Ala Phe Ile Arg Ile His Gln Asp Asn Ala Lys Pro Leu Phe
      50              55              60

```

```

Ser Phe Leu Gln Asn Leu Asp Phe Ile Glu Ser Ile Ile Pro Tyr His
      65              70              75              80

```

```

Asp Thr Glu Leu Ser Asp Asp Leu His Lys Leu Ile Ser Ile Ser Lys
          85              90              95

```

```

Ser Lys Ile Leu Glu Ala Pro Lys Gln Tyr Glu Leu Tyr Asn Leu Ser
      100              105              110

```

```

Asn Leu Thr Asn Asn Pro Lys Gln Ser Leu Tyr Phe Ala Phe Leu Gln
      115              120              125

```

```

Asn Tyr Ile Lys Trp Leu Ile Pro Phe Ser Phe Phe Gly Leu Ser Ile
      130              135              140

```

```

Arg Phe Leu Ser Asn Phe Thr Tyr Glu Phe Asn Ser Thr Tyr Ser Leu
      145              150              155              160

```

```

Phe Ala Ile Leu Trp Thr Leu Ser Phe Thr Ala Phe Trp Leu Tyr Lys
          165              170              175

```

```

Tyr Glu Pro Phe Trp Ser Asp Arg Leu Ser Lys Tyr Ser Ser Phe Ser
      180              185              190

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Thr Ile Glu Phe Leu Gln Asp Lys Gln Lys Ala Gln Lys Lys Ala Ser
      195              200              205

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Ser Val Ile Met Leu Lys Lys Cys Cys Phe Ile Pro Val Ala Leu Leu
 210 215 220
 Phe Gly Ala Ile Leu Leu Ser Phe Gln Leu Tyr Cys Phe Ala Leu Glu
 225 230 235 240
 Ile Phe Tyr Lys Gln Ile Tyr Asn Gly Pro Met Ile Ser Ile Leu Ser
 245 250 255
 Phe Leu Pro Thr Ile Leu Ile Cys Thr Phe Thr Pro Val Leu Thr Val
 260 265 270
 Ile Tyr Asn Lys Tyr Phe Val Glu Pro Met Thr Lys Trp Glu Asn His
 275 280 285
 Ser Ser Val Val Asn Ala Lys Lys Ser Lys Glu Ala Lys Asn Phe Val
 290 295 300
 Ile Ile Phe Leu Ser Ser Tyr Val Pro Leu Leu Ile Thr Leu Phe Leu
 305 310 315 320
 Tyr Leu Pro Met Gly His Leu Leu Thr Ala Glu Ile Arg Thr Lys Val
 325 330 335
 Phe Asn Ala Phe Ser Ile Leu Ala Arg Leu Pro Thr His Asp Ser Asp
 340 345 350
 Phe Ile Ile Asp Thr Lys Arg Tyr Glu Asp Gln Phe Phe Tyr Phe Ile
 355 360 365
 Val Ile Asn Gln Leu Ile Gln Phe Ser Met Glu Asn Phe Val Pro Ser
 370 375 380
 Leu Val Ser Ile Ala Gln Gln Lys Ile Asn Gly Pro Asn Pro Asn Phe
 385 390 395 400
 Val Lys Ala Glu Ser Glu Ile Gly Lys Ala Gln Leu Ser Ser Ser Asp
 405 410 415
 Met Lys Ile Trp Ser Lys Val Lys Ser Tyr Gln Thr Asp Pro Trp Gly
 420 425 430
 Ala Thr Phe Asp Leu Asp Ala Asn Phe Lys Lys Leu Leu Leu Gln Phe
 435 440 445
 Gly Tyr Leu Val Met Phe Ser Thr Ile Trp Pro Leu Ala Pro Phe Ile
 450 455 460
 Cys Leu Ile Val Asn Leu Ile Val Tyr Gln Val Asp Leu Arg Lys Ala
 465 470 475 480
 Val Leu Tyr Ser Lys Pro Glu Tyr Phe Pro Phe Pro Ile Tyr Asp Lys
 485 490 495
 Pro Ser Ser Val Ser Asn Thr Gln Lys Leu Thr Val Gly Leu Trp Asn
 500 505 510

Ser Val Leu Val Met Phe Ser Ile Leu Gly Cys Val Ile Thr Ala Thr
 515 520 525
 Leu Thr Tyr Met Tyr Gln Ser Cys Asn Ile Pro Gly Val Gly Ala His
 530 535 540
 Thr Ser Ile His Thr Asn Lys Ala Trp Tyr Leu Ala Asn Pro Ile Asn
 545 550 555 560
 His Ser Trp Ile Asn Ile Val Leu Tyr Ala Val Phe Ile Glu His Val
 565 570 575
 Ser Val Ala Ile Phe Phe Leu Phe Ser Ser Ile Leu Lys Ser Ser His
 580 585 590
 Asp Asp Val Ala Asn Gly Ile Val Pro Lys His Val Val Asn Val Gln
 595 600 605
 Asn Pro Pro Lys Gln Glu Val Phe Glu Lys Ile Pro Ser Pro Glu Phe
 610 615 620
 Asn Ser Asn Asn Glu Lys Glu Leu Val Gln Arg Lys Gly Ser Ala Asn
 625 630 635 640
 Glu Lys Leu His Gln Glu Leu Gly Glu Lys Gln Pro Ala Ser Ser Ala
 645 650 655
 Asn Gly Tyr Glu Ala His Ala Ala Thr His Ala Asn Asn Asp Pro Ser
 660 665 670
 Ser Leu Ser Ser Ala Ser Ser Pro Ser Leu Ser Ser Ser Ser Ser
 675 680 685
 Ser Lys Thr Gly Val Val Lys Ala Val Asp Asn Asp Thr Ala Gly Ser
 690 695 700
 Ala Gly Lys Lys Pro Leu Ala Thr Glu Ser Thr Glu Lys Arg Asn Ser
 705 710 715 720
 Leu Val Lys Val Pro Thr Val Gly Ser Tyr Gly Val Ala Gly Ala Thr
 725 730 735
 Leu Pro Glu Thr Ile Pro Thr Ser Lys Asn Tyr Tyr Leu Arg Phe Asp
 740 745 750
 Glu Asp Gly Lys Ser Ile Arg Asp Ala Lys Ser Ser Ala Glu Ser Ser
 755 760 765
 Asn Ala Thr Asn Asn Asn Thr Leu Gly Thr Glu Ser Lys Leu Leu Pro
 770 775 780
 Asp Gly Asp Ala Val Asp Ala Leu Ser Arg Lys Ile Asp Gln Ile Pro
 785 790 795 800
 Lys Ile Ala Val Thr Gly Gly Glu Asn Asn Glu Asn Thr Gln Ala Lys
 805 810 815

Asp Asp Ala Ala Thr Lys Thr Pro Leu Ile Lys Asp Ala Asn Ile Lys
 820 825 830
 Pro Val Val Asn Ala Ala Val Asn Asp Asn Gln Ser Lys Val Ser Val
 835 840 845
 Ala Thr Glu Gln Thr Lys Lys Thr Glu Val Ser Thr Lys Asn Gly Pro
 850 855 860
 Ser Arg Ser Ile Ser Thr Lys Glu Thr Lys Asp Ser Ala Arg Pro Ser
 865 870 875 880
 Asn Asn Asn Thr Thr Thr Thr Thr Thr Thr Thr Thr Asp Ala Thr Gln Pro His
 885 890 895
 His His His His His His Arg His Arg Asp Ala Gly Val Lys Asn Val
 900 905 910
 Thr Asn Asn Ser Lys Thr Thr Glu Ser Ser Ser Ser Ser Ser Ala Ala
 915 920 925
 Lys Glu Lys Pro Lys His Lys Lys Gly Leu Leu His Lys Leu Lys Lys
 930 935 940
 Lys Leu
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<210> 19
 <211> 1904
 <212> DNA
 <213> Candida albicans

<400> 19
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 taaaagtgat taaaagagtt aattgaatag gcaatctcta aatgaatcga tacaaccttg 240
 gcactcacac gtgggactag cacagactaa atttatgatt ctgggtccctg ttttcgaaga 300
 gatcgcacat gccaaattat caaattgggtc accttacttg gcaaggcata taccattttg 360
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tcctaaaggt ctgtaacgtc agcagcgtca gtaactctac tgaattgacc ttctactggg 1860
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<210> 20

<211> 467

<212> PRT

<213> *Candida albicans*

<400> 20

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      20             25             30

Thr Gln Lys Asp Ile Phe Pro Phe Leu Gly Gly Ala Gly Pro Tyr Tyr
      35             40             45

Ser Phe Pro Gly Asp Tyr Gly Ile Ser Arg Asp Leu Pro Glu Gly Cys
      50             55             60

Glu Met Lys Gln Leu Gln Met Val Gly Arg His Gly Glu Arg Tyr Pro
      65             70             75             80

Thr Val Ser Leu Ala Lys Thr Ile Lys Ser Thr Trp Tyr Lys Leu Ser
      85             90             95

Asn Tyr Thr Arg Gln Phe Asn Gly Ser Leu Ser Phe Leu Asn Asp Asp
      100            105            110

Tyr Glu Phe Phe Ile Arg Asp Asp Asp Leu Glu Met Glu Thr Thr
      115            120            125

Phe Ala Asn Ser Asp Asp Val Leu Asn Pro Tyr Thr Gly Glu Met Asn
      130            135            140

Ala Lys Arg His Ala Arg Asp Phe Leu Ala Gln Tyr Gly Tyr Met Val
      145            150            155            160

Glu Asn Gln Thr Ser Phe Ala Val Phe Thr Ser Asn Ser Lys Arg Cys
      165            170            175

His Asp Thr Ala Gln Tyr Phe Ile Asp Gly Leu Gly Asp Gln Phe Asn
      180            185            190

Ile Thr Leu Gln Thr Val Ser Glu Ala Glu Ser Ala Gly Ala Asn Thr
      195            200            205

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Leu Ser Ala Cys Asn Ser Cys Pro Ala Trp Asp Tyr Asp Ala Asn Asp
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 225 230 235 240
 Arg Leu Asn Lys Glu Asn Lys Gly Leu Asn Leu Thr Ser Thr Asp Ala
 245 250 255
 Ser Thr Leu Phe Ser Trp Cys Ala Phe Glu Val Asn Ala Lys Gly Tyr
 260 265 270
 Ser Asp Val Cys Asp Ile Phe Thr Lys Asp Glu Leu Val His Tyr Ser
 275 280 285
 Tyr Tyr Gln Asp Leu His Thr Tyr Tyr His Glu Gly Pro Gly Tyr Asp
 290 295 300
 Ile Ile Lys Ser Val Gly Ser Asn Leu Phe Asn Ala Ser Val Lys Leu
 305 310 315 320
 Leu Lys Gln Ser Glu Ile Gln Asp Gln Lys Val Trp Leu Ser Phe Thr
 325 330 335
 His Asp Thr Asp Ile Leu Asn Phe Leu Thr Thr Ala Gly Ile Ile Asp
 340 345 350
 Asp Lys Asn Asn Leu Thr Ala Glu Tyr Val Pro Phe Met Gly Asn Thr
 355 360 365
 Phe His Arg Ser Trp Tyr Val Pro Gln Gly Ala Arg Val Tyr Thr Glu
 370 375 380
 Lys Phe Gln Cys Ser Asn Asp Thr Tyr Val Arg Tyr Val Ile Asn Asp
 385 390 395 400
 Ala Val Val Pro Ile Glu Thr Cys Ser Thr Gly Pro Gly Phe Ser Cys
 405 410 415
 Glu Ile Asn Asp Phe Tyr Asp Tyr Ala Glu Lys Arg Val Ala Gly Thr
 420 425 430
 Asp Phe Leu Lys Val Cys Asn Val Ser Ser Val Ser Asn Ser Thr Glu
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 Leu Thr Phe Tyr Trp Asp Trp Asn Thr Thr His Tyr Asn Ala Ser Leu
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<210> 21

<211> 1563

<212> DNA

<213> Candida albicans

<400> 21

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aacgctcaag ctcaaagaga agctgctgcc gaatacgtc aattgttggc taagagattg 1500
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<210> 22

<211> 236

<212> PRT

<213> Candida albicans

<400> 22

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Met Lys Leu Asn Ile Ser Tyr Pro Val Asn Gly Ser Gln Lys Thr Phe
  1             5             10             15

Glu Ile Asp Asp Glu His Arg Ile Arg Val Phe Phe Asp Lys Arg Ile
      20             25             30

Gly Gln Glu Val Asp Gly Glu Ala Val Gly Asp Glu Phe Lys Gly Tyr
      35             40             45

Val Phe Lys Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
      50             55             60

Gln Gly Val Leu Leu Pro Thr Arg Ile Lys Leu Leu Leu Thr Lys Asn
      65             70             75             80

Val Ser Cys Tyr Arg Pro Arg Arg Asp Gly Glu Arg Lys Arg Lys Ser
      85             90             95

Val Arg Gly Ala Ile Val Gly Pro Asp Leu Ala Val Leu Ala Leu Val

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100					105					110						
Ile	Val	Lys	Lys	Gly	Glu	Gln	Glu	Leu	Glu	Gly	Leu	Thr	Asp	Thr	Thr	
115					120					125						
Val	Pro	Lys	Arg	Leu	Gly	Pro	Lys	Arg	Ala	Asn	Asn	Ile	Arg	Lys	Phe	
130					135					140						
Phe	Gly	Leu	Ser	Lys	Glu	Asp	Asp	Val	Arg	Asp	Phe	Val	Ile	Arg	Arg	
145					150					155					160	
Glu	Val	Thr	Lys	Gly	Glu	Lys	Thr	Tyr	Thr	Lys	Ala	Pro	Lys	Ile	Gln	
165					170					175						
Arg	Leu	Val	Thr	Pro	Gln	Arg	Leu	Gln	Arg	Lys	Arg	His	Gln	Arg	Ala	
180					185					190						
Leu	Lys	Val	Arg	Asn	Ala	Gln	Ala	Gln	Arg	Glu	Ala	Ala	Ala	Glu	Tyr	
195					200					205						
Ala	Gln	Leu	Leu	Ala	Lys	Arg	Leu	Ser	Glu	Arg	Lys	Ala	Glu	Lys	Ala	
210					215					220						
Glu	Ile	Arg	Lys	Arg	Arg	Ala	Ser	Ser	Leu	Lys	Ala					
225					230					235						

<210> 23

<211> 893

<212> DNA

<213> Candida albicans

<400> 23

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agtgtattac caacttgccg atgcaaggat atcacactcc tgtttctgcc tcatgtcttt 180
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acgtcacttg gcttgatata ctgcacgctt tattctgcaa attcaggtct caaatctgaa 480
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gcactaacca ctatgaatac accaacaaca gtatagctaa attggacgcg cagagagtta 780
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<210> 24

<211> 130

<212> PRT

<213> Candida albicans

<400> 24

Met Glu Leu Ala Lys Glu Arg Asn Gly Pro His Gln Lys His His Gly
 1 5 10 15
 Gln Cys Gln Asn His Cys Thr Ser Pro Asn Thr Val Arg Gln Asn Lys
 20 25 30
 Thr Asn Lys Leu Leu Leu Val Lys Lys Lys Gly Lys Leu Val Ile Trp
 35 40 45
 Arg His Ile Val Lys Lys Met Leu His Ile Arg Leu Val Val Leu Trp
 50 55 60
 Ser His Tyr Pro Glu Gln His Gly His Gly Thr Asn His Tyr Glu Tyr
 65 70 75 80
 Thr Asn Asn Ser Ile Ala Lys Leu Asp Ala Gln Arg Val Ser Arg Arg
 85 90 95
 Arg Arg Lys Lys Arg Glu Ala Glu Arg Arg Asp Tyr Asp Thr Tyr Lys
 100 105 110
 Leu Leu Ile Thr Leu Cys Ser Leu Leu Phe Val Gly Pro Leu Phe Leu
 115 120 125
 Lys Val
 130

<210> 25

<211> 1429

<212> DNA

<213> Candida albicans

<400> 25

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 agggcggttta ttatctttgt ccctttatac tgttgtgttt ctgtgttatt gcttcagtag 180
 gcagcgata gtataaccag aaaaaagtga aaaataaact aaaaaagcac tatgagatga 240
 acggtaaaaa tccaccagag atttgctcac taataatcct gtaccatgtc catcaaccta 300
 cattccgcac ccgagtatga tccatcttat aagctgatcc agttgacacc agagttactg 360
 gatataatac aggatccggt tcaaaatcac cagttaaggt ttaagtcatt ggacaaagac 420
 aagtctgaag ttgtactgtg ttcgcacgac aagacttggg tgctgcaagc agcgaaaca 480
 ttcaaacaca gttctactaa tgagagaatt tgttcctgaa caacctatta ctttcgacga 540
 aacgctcttg tttggactgt ccaagccgta catggacgtc gtgggattcg ccaagactga 600
 atcagaattt gagaccagag agacacatgg cgaattgaac ttgaattcag taccaatata 660
 caacggagaa ctggatttct ccgacaaaat catgaagagg tcatctacaa aggttatcgg 720
 gaccctggaa gaactacttg agaactcacc atgttctgcg ctagaaggta tatcaaaatg 780
 gcataagatt ggtggatctg tgaaagacgg tgtgttgtgt attccttcac aagacttcct 840
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gcctctaatt gaagaactaa attcaagagg tatgaaaata gacagtttca tcatgaagta 1380
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<210> 26
 <211> 309
 <212> PRT
 <213> *Candida albicans*

<400> 26

Met	Arg	Glu	Phe	Val	Pro	Glu	Gln	Pro	Ile	Thr	Phe	Asp	Glu	Thr	Leu	1	5	10	15
Leu	Phe	Gly	Leu	Ser	Lys	Pro	Tyr	Met	Asp	Val	Val	Gly	Phe	Ala	Lys	20	25	30	
Thr	Glu	Ser	Glu	Phe	Glu	Thr	Arg	Glu	Thr	His	Gly	Glu	Leu	Asn	Leu	35	40	45	
Asn	Ser	Val	Pro	Ile	Tyr	Asn	Gly	Glu	Leu	Asp	Phe	Ser	Asp	Lys	Ile	50	55	60	
Met	Lys	Arg	Ser	Ser	Thr	Lys	Val	Ile	Gly	Thr	Leu	Glu	Glu	Leu	Leu	65	70	75	80
Glu	Asn	Ser	Pro	Cys	Ser	Ala	Leu	Glu	Gly	Ile	Ser	Lys	Trp	His	Lys	85	90	95	
Ile	Gly	Gly	Ser	Val	Lys	Asp	Gly	Val	Leu	Cys	Ile	Leu	Ser	Gln	Asp	100	105	110	
Phe	Leu	Phe	Lys	Ala	Leu	His	Val	Leu	Leu	Met	Ser	Ala	Met	Ala	Glu	115	120	125	
Ser	Leu	Asp	Leu	Gln	His	Leu	Asn	Val	Glu	Asp	Thr	His	His	Ala	Val	130	135	140	
Gly	Lys	Asp	Ile	Glu	Asp	Glu	Phe	Asn	Pro	Tyr	Thr	Arg	Glu	Ile	Ile	145	150	155	160
Glu	Thr	Val	Leu	Asn	Lys	Phe	Ala	Val	Gln	Glu	Gln	Glu	Ala	Glu	Asn	165	170	175	
Asn	Thr	Trp	Arg	Leu	Arg	Ile	Pro	Phe	Ile	Ala	Gln	Trp	Tyr	Gly	Ile	180	185	190	
Gln	Ala	Leu	Arg	Lys	Tyr	Val	Ser	Gly	Ile	Ser	Met	Pro	Ile	Asp	Glu	195	200	205	
Phe	Leu	Ile	Lys	Trp	Lys	Ser	Leu	Phe	Pro	Pro	Phe	Phe	Pro	Cys	Asp	210	215	220	
Ile	Asp	Ile	Asp	Met	Leu	Arg	Gly	Tyr	His	Phe	Lys	Pro	Thr	Asp	Lys	225	230	235	240
Thr	Val	Gln	Tyr	Ile	Ala	Lys	Ser	Thr	Leu	Pro	Met	Asp	Pro	Lys	Glu	245	250	255	

Arg Phe Lys Val Leu Phe Arg Leu Gln Ser Gln Trp Asp Leu Glu Asp
 260 265 270

Ile Lys Pro Leu Ile Glu Glu Leu Asn Ser Arg Gly Met Lys Ile Asp
 275 280 285

Ser Phe Ile Met Lys Tyr Ala Arg Arg Lys Arg Leu Gly Lys Lys Thr
 290 295 300

Val Val Thr Ser Arg
 305

<210> 27
 <211> 1952
 <212> DNA
 <213> Candida albicans

<400> 27
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 attacgggag acaacgctga ggaggagttg gaaaggtaca tccgtgctat ggtcagagag 180
 cagatgctgg gccagggctc catggcgggt tccggggacg aaccagattc caagagaaga 240
 aaataacgac ccagcacaaa ggctcttaca gcttgctaaa agaaattgaa cgcgacgcta 300
 catgaactac ttctttctct tacatagtct ttcccttat gtatcttttc tgtacattaa 360
 tagacgttct tacaaggtaa aatttcaccg cgttttttaa tagaatgaaa aaaacgttgt 420
 agagtgaag aaaagcaaca aatatacagt tcacaaggca gcttcgtata gtaatacagc 480
 acgaaaaaca gctcatagaa atggtaacac agaccaatcc ggtccctggt acatatccaa 540
 cggatgctta tatccccacg tatctgcccg atgataaggt ctccaatctg gcagatttga 600
 aaaaattgat agaaatggat tccagactag atttgtatct gacaagaagg aggctggata 660
 cgtccatcaa ttacctaaca aacaccaaga ccaaggacca tcccccaat aaagagatgc 720
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 aaaaatacca gtttttccac gaactgtctt tgcacccaag agaaacgctg actcactact 1800
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 ctgcaagaac gagtgaacata tacagtaaca acaacaatga caggtcacta atgggcaata 1920
 tctcactact gtactcccaa ggaagactat aa 1952

<210> 28

<211> 483

<212> PRT

<213> Candida albicans

<400> 28

Met Val Thr Gln Thr Asn Pro Val Pro Val Thr Tyr Pro Thr Asp Ala
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 Tyr Ile Pro Thr Tyr Leu Pro Asp Asp Lys Val Ser Asn Leu Ala Asp
 20 25 30
 Leu Lys Lys Leu Ile Glu Met Asp Ser Arg Leu Asp Leu Tyr Leu Thr
 35 40 45
 Arg Arg Arg Leu Asp Thr Ser Ile Asn Leu Pro Thr Asn Thr Lys Thr
 50 55 60
 Lys Asp His Pro Pro Asn Lys Glu Met Leu Arg Ile Tyr Val Tyr Asn
 65 70 75 80
 Thr Thr Glu Ser Ser Pro Arg Ser Asp Ser Gly Thr Pro Ala Asp Ser
 85 90 95
 Gly Lys Thr Thr Trp Thr Leu Arg Ile Glu Gly Lys Leu Leu His Glu
 100 105 110
 Ser Ala Asn Gly Lys His Pro Phe Ser Glu Phe Leu Glu Gly Val Ala
 115 120 125
 Val Asp Phe Lys Arg Leu Lys Pro Leu Gly Met Gly Lys Lys Arg Lys
 130 135 140
 Arg Asp Ser Ser Leu Ser Leu Pro Leu Asn Leu Gln Gln Pro Glu Tyr
 145 150 155 160
 Asn Asp Gln Asp Ser Thr Met Gly Asp Asn Asp Asn Gly Glu Asp Glu
 165 170 175
 Asp Ser Ala Glu Ala Glu Ser Arg Glu Glu Ile Val Asp Ala Leu Glu
 180 185 190
 Trp Asn Tyr Asp Glu Asn Asn Val Val Glu Phe Asp Gly Ile Asp Ile
 195 200 205
 Lys Arg Gln Gly Lys Asp Asn Leu Arg Cys Ser Ile Thr Ile Gln Leu
 210 215 220
 Arg Gly Val Asp Gly Gly Lys Val Gln Tyr Ser Pro Asn Leu Ala Thr
 225 230 235 240
 Leu Ile Gly Met Gln Thr Gly Ser Val Asn Asp Ala Val Tyr Ser Ile
 245 250 255
 Tyr Lys Tyr Ile Leu Ile Asn Asn Leu Phe Val Thr Glu Gln Thr Glu
 260 265 270
 Ala Gln Asp Gly Ser Asn Asp Ala Glu Asp Ser Ser Asn Glu Asn Asn

275					280					285					
Asn	Lys	Asn	Gly	Ala	Gly	Asp	Asp	Asp	Gly	Val	Glu	Gly	Ser	Thr	Pro
290					295					300					
Lys	Asp	Lys	Pro	Glu	Leu	Gly	Glu	Val	Lys	Leu	Asp	Ser	Leu	Leu	Gln
305					310					315					320
Lys	Val	Leu	Asp	Thr	Asn	Ala	Ala	His	Leu	Pro	Leu	Met	Asn	Val	Val
				325					330					335	
Gln	Thr	Val	Asn	Lys	Leu	Val	Ser	Pro	Leu	Pro	Pro	Ile	Ile	Leu	Asp
			340					345					350		
Tyr	Thr	Ile	Asp	Leu	Ser	Lys	Asp	Thr	Thr	Tyr	Gly	Ala	Thr	Thr	Leu
		355					360					365			
Asp	Val	Asp	Val	Ser	His	Ile	Leu	His	Gln	Pro	Gln	Pro	Gln	Pro	Asn
370					375					380					
Leu	Gln	Lys	Glu	Glu	Glu	Thr	Asp	Ala	Glu	Asp	Thr	Ala	Lys	Leu	Arg
385					390					395					400
Glu	Ile	Thr	Lys	Leu	Ala	Leu	Gln	Leu	Asn	Ser	Ser	Ala	Gln	Lys	Tyr
			405						410					415	
Gln	Phe	Phe	His	Glu	Leu	Ser	Leu	His	Pro	Arg	Glu	Thr	Leu	Thr	His
			420					425					430		
Tyr	Leu	Trp	Ser	Ser	Lys	Gln	Asn	Glu	Leu	Val	Leu	Gln	Gly	Asp	Gln
		435					440						445		
Tyr	Phe	Asn	Glu	Asp	Ala	Ala	Arg	Thr	Ser	Asp	Ile	Tyr	Ser	Asn	Asn
450					455					460					
Asn	Asn	Asp	Arg	Ser	Leu	Met	Gly	Asn	Ile	Ser	Leu	Leu	Tyr	Ser	Gln
465					470					475					480
Gly Arg Leu															

<210> 29

<211> 911

<212> DNA

<213> Candida albicans

<400> 29

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gtcgtctttg acgaaggaga cgaaaacctc ttctaaaacg ttgggagaga gataattaca 180
tggccagaac aatactgcaa cgtgcatata gtcgttagtc tgtgcttgca catccacggc 240
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ctaactgtgc acgaggcacc ctgcagatgc aagtgtctacc gttgttagtt tcgttctttt 360
gaatgcagcg cagacagcac agtttttcat acccggtttt gcgccatttg gcaattagca 420
atttatcagc atacttttcc tttatcaacc aatcgtaaag gtctttggag atggcctttc 480

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gttgatttc gaaatctgtg agggttggct tgattttttc gaaccgctca ggtgcaggct 660
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agtatttcac tttccgttgt gaacgacaaa tgtactatgc gttcaagagc caacgcagta 840
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<210> 30
<211> 136
<212> PRT
<213> Candida albicans

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<400> 30
Met Tyr Leu Glu Arg Trp Trp Trp Ser Cys Ile Ile Ser Gln Ser Cys
  1             5             10             15

Ser Leu Asp Phe Ala Ala Ser Leu Asp Asp Leu Ser Phe Trp Ala Ser
          20             25             30

Leu Ser Trp Ile Ser Lys Ser Val Arg Val Gly Leu Ile Phe Ser Asn
  35             40             45

Pro Ser Gly Ala Gly Leu Asp Leu Leu Val Phe Met Arg Gly Met Ser
  50             55             60

Phe Cys Glu Val Ser Phe Ala Ser Leu Asp Gly Cys Arg Gly Val Tyr
  65             70             75             80

Ile Asp Asp Glu Ser Leu Arg Lys Phe Phe Phe Phe Phe Gln Tyr Phe
          85             90             95

Thr Phe Arg Cys Glu Arg Gln Met Tyr Tyr Ala Phe Lys Ser Gln Arg
 100             105             110

Ser Ile Ile Val Lys Val Pro Thr Thr Thr Arg Val Ile Asp Leu Val
 115             120             125

Leu Val Val Asn Val Leu Ser Leu
 130             135

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<210> 31
<211> 1448
<212> DNA
<213> Candida albicans

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<400> 31
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ttttcaccta caaggaacta ctttttatag ccaccctaag taaaacaaca ttagcttagc 180
atcctcaatt cttatcgtat gttgttgctg ctatttttat cctattgttc ctggcatcgc 240
ttttttacat aaggtagcaa ggcaagagaa aagacccgcg aaattttcaa ttcgagacat 300
agggttaata cgaaatatgt taaggtctag tttccaaaaa atgaagaaaa tgtgattaga 360

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catcctgggg aaattaggtt taaatagggc gggcgctaca ggggttttcc taacaaattt 420
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gcaatttgca gcaagacaat atgactacga cggtagccaa gatattcgcg tttcacgagt 540
tttcagacgt ggcagaggcc gtagctgacc atgtagtcca cgcgcaagac ggtgcatttg 600
ctccaaagaa cgagaggaaa cactctgttc ccaacatcag catgaatgca ctggatatga 660
cgagagaggc ctcttgcaaa agcacagcat ctgccgcgga agggaaaagt ggtagcagtg 720
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gtgggtcatt gatcgaagtg ctacacgaag gtctgctaaa acgagacgat gtacgggtgg 840
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cgaagggtgta ccacattgac gagtcattga ttgacgacct gcaagaatgc gttgataact 1020
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gcctacctag cagtattgtc aacgaagggt ctgctggtcg tgtatcatgg tttgttgacg 1380
acgatgctct tacggacgtc ctcgtcacca aaaaaaagta taaattccac caaggtttgt 1440
ctatttaa
1448

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<210> 32

<211> 315

<212> PRT

<213> Candida albicans

<400> 32

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Met Thr Thr Thr Val Pro Lys Ile Phe Ala Phe His Glu Phe Ser Asp
 1             5             10             15

Val Ala Glu Ala Val Ala Asp His Val Val His Ala Gln Asp Gly Ala
      20             25             30

Leu Ala Pro Lys Asn Glu Arg Lys His Ser Val Pro Asn Ile Ser Met
 35             40             45

Asn Ala Leu Asp Met Thr Arg Glu Ala Ser Cys Lys Ser Thr Ala Ser
 50             55             60

Ala Ala Glu Gly Lys Ser Gly Ser Ser Gly Ser Gly Ser Gly Ser Ser
 65             70             75             80

Lys Pro Lys Lys Glu Lys Arg Phe Lys Ile Ala Leu Ser Gly Gly Ser
      85             90             95

Leu Ile Glu Val Leu His Glu Gly Leu Leu Lys Arg Asp Asp Val Arg
 100             105             110

Trp Gly Asp Trp Asp Ile Tyr Phe Ala Asp Glu Arg Leu Val Pro Phe
 115             120             125

Ser Ser Asn Glu Ser Asn Tyr Gly Cys Ala Lys Arg Lys Ile Leu Asp
 130             135             140

Leu Ile Asp Thr Ala Lys Tyr Gly Thr Pro Lys Val Tyr His Ile Asp
 145             150             155             160

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Glu Ser Leu Ile Asp Asp Pro Gln Glu Cys Val Asp Asn Tyr Glu Lys
 165 170 175
 Val Leu Ile Arg Gly Phe Ala Gly Arg Asp Ser Val Lys Leu Pro Met
 180 185 190
 Phe Asp Leu Phe Leu Leu Gly Cys Ala Pro Asp Gly His Ile Ala Ser
 195 200 205
 Leu Phe Pro Asn Phe Gln Asp Asn Leu Arg Glu Lys Leu Ala Trp Val
 210 215 220
 Val Pro Val Glu Asn Ala Pro Ser Gly Pro Ser Thr Arg Ile Ser Leu
 225 230 235 240
 Thr Ile Pro Val Ile Cys His Ser His Arg Val Thr Phe Val Val Glu
 245 250 255
 Gly Ala Thr Lys Ala Pro Ile Ile Lys Thr Ile Met Glu Arg Pro Glu
 260 265 270
 Lys Gly Leu Pro Ser Ser Ile Val Asn Glu Gly Ala Ala Gly Arg Val
 275 280 285
 Ser Trp Phe Val Asp Asp Asp Ala Leu Thr Asp Val Leu Val Thr Lys
 290 295 300
 Lys Lys Tyr Lys Phe His Gln Gly Leu Ser Ile
 305 310 315

<210> 33
 <211> 1196
 <212> DNA
 <213> Candida albicans

<400> 33
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 ctcagctacc gattagtgtt gttgactttt ccgcaagatc cttttctccc tctttggacc 180
 tagtcatccc tccacacaag attcgctctt aagtagtggc gcaggctgtt cgcttttaag 240
 catagtgcct aatgtcgaag gctttataga tcccaaatac tacgccttga gaaattgaat 300
 gcactagcag ttagttaact ttctggaacg cgcattgacgc gtcccggggc gcctgaggcg 360
 gagcgttcgc gaaatcgga aaacattata ctgggaaaga tcactatcta ttctctaaat 420
 gaacttttaa gcaattatc gtaagataga aaagacgaaa ccttagcaac ctacggtttt 480
 aatatagaaa caattttatt atgatacctt ccaataagag aaatgctaga attttaagca 540
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 gcacctgttc atatagcaag ggcattgaagg aactgcttga aaatgagtat cagtttatcc 960
 caaactacta tattatagaa cttgacaaac atggacatgg ggaagagctg caagaatata 1020
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 gaggtaatga agaaatcaag aaactgcaca ctcaagggaa acttttagaa tcattacaag 1140

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<210> 34

<211> 231

<212> PRT

<213> Candida albicans

<400> 34

Met	Ile	Pro	Ser	Asn	Lys	Arg	Asn	Ala	Arg	Ile	Leu	Ser	Ile	Thr	Thr	
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Leu	Leu	Leu	Leu	Leu	Val	Phe	Phe	Val	Ala	Gln	Asn	Ala	Asn	Phe	Leu	
				20				25					30			
Thr	Val	Glu	Ile	Lys	Glu	Glu	Thr	Ser	Lys	Ala	Phe	Ser	Thr	Asn	Met	
		35					40					45				
Asp	Asn	Met	Ala	Gly	Gly	Ser	Ser	Arg	Glu	Tyr	Ala	Ala	Met	Pro	Thr	
	50					55					60					
Ser	Thr	Thr	Asn	Lys	Gly	Ser	Ser	Glu	Val	Asp	Glu	Glu	Ile	Asn	Glu	
	65				70					75					80	
Ile	Lys	Gln	Lys	Val	Gly	Leu	Gln	Gln	Pro	Ile	Ala	Ser	Val	Asp	Asp	
				85					90					95		
Ser	Leu	Ser	Ala	Ile	Lys	Asn	Asp	Lys	Gly	Ser	Arg	Ile	Thr	Lys	Ala	
			100					105					110			
Phe	Asn	Val	Gln	Lys	Glu	Tyr	Ser	Leu	Ile	Leu	Asp	Leu	Ser	Pro	Ile	
		115					120					125				
Ile	Ile	Phe	Ser	Lys	Ser	Thr	Cys	Ser	Tyr	Ser	Lys	Gly	Met	Lys	Glu	
	130					135					140					
Leu	Leu	Glu	Asn	Glu	Tyr	Gln	Phe	Ile	Pro	Asn	Tyr	Tyr	Ile	Ile	Glu	
	145				150					155					160	
Leu	Asp	Lys	His	Gly	His	Gly	Glu	Glu	Leu	Gln	Glu	Tyr	Ile	Lys	Leu	
				165					170					175		
Val	Thr	Gly	Arg	Gly	Thr	Val	Pro	Asn	Leu	Leu	Val	Asn	Gly	Val	Ser	
			180					185					190			
Arg	Gly	Gly	Asn	Glu	Glu	Ile	Lys	Lys	Leu	His	Thr	Gln	Gly	Lys	Leu	
		195					200					205				
Leu	Glu	Ser	Leu	Gln	Val	Trp	Ser	Asp	Gly	Lys	Phe	Ser	Val	Glu	Gln	
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Arg	Glu	Lys	Pro	Ser	Asn	Asn										
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<210> 35

<211> 1889

<212> DNA

<213> Candida albicans

<400> 35

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atagtagcgg catagatttg atagccttct taagaaatgg accattataa agtttttgta 240
tcgcgatggt tgaaaatgga aagtaaggaa cgtaatacaa attgacaagt agccgacatg 300
aatgacgctc acttctctta tatatgttag gtagtatatg cattatagaa tttattcatt 360
gaagcaatgt gattcctcga taagtaagct ttttttctgt ctggcggcga accattagag 420
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tataatggaa taggaaactt atgcaaagaa ataatagggt aagaaatttg tttacagtgc 540
cagtaataat ggctcgacaa ctcaaaagga atgcattatc tgcagggtctt gcttttgcag 600
gtaatgcaac ctcaaatgag tttgatgaac atttgcaaaa tgagggttgaa agagagaggg 660
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agtatccaga atggggtctg agaagatag 1889

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<210> 36

<211> 462

<212> PRT

<213> Candida albicans

<400> 36

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Met Gln Arg Asn Asn Arg Leu Arg Asn Leu Phe Thr Val Pro Val Ile
 1             5             10             15

Met Ala Arg Gln Leu Lys Arg Asn Ala Leu Ser Ala Gly Leu Ala Phe
          20             25             30

Ala Gly Asn Ala Thr Ser Asn Glu Phe Asp Glu His Leu Gln Asn Glu
 35             40             45

Val Glu Arg Glu Arg Glu Ile Gln Lys Lys Lys Lys Ile Lys Arg Thr
 50             55             60

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Gln Ser Lys Lys Ser Pro Asp Leu Ile Asn Lys Ser Thr Phe Gln Ser
 65 70 75 80
 Arg Thr Ile Gly Ser Lys Lys Glu Lys His Arg Gln Leu Asp Pro Glu
 85 90 95
 Tyr Glu Ile Val Ile Asp Gly Pro Leu Arg Lys Ile Lys Pro Tyr His
 100 105 110
 Phe Thr Tyr Arg Thr Phe Cys Lys Glu Arg Trp Arg Asp Lys Lys Leu
 115 120 125
 Val Asp Val Phe Ile Ser Glu Phe Arg Asp Arg Glu Ser Glu Tyr Tyr
 130 135 140
 Lys Arg Thr Ile Glu Asn Gly Asp Val His Ile Asn Asp Glu Thr Ala
 145 150 155 160
 Asp Leu Ser Thr Val Ile Arg Asn Gly Asp Leu Ile Thr His Gln Val
 165 170 175
 His Arg His Glu Pro Pro Val Thr Ser Arg Pro Ile Lys Val Ile Phe
 180 185 190
 Glu Asp Asp Asn Ile Met Val Ile Asp Lys Pro Ser Gly Ile Pro Val
 195 200 205
 His Pro Thr Gly Arg Tyr Arg Phe Asn Thr Ile Thr Lys Met Leu Gln
 210 215 220
 Asn Asn Leu Gly Phe Val Val Asn Pro Cys Asn Arg Leu Asp Arg Leu
 225 230 235 240
 Thr Ser Gly Leu Met Phe Leu Ala Lys Thr Pro Lys Gly Ala Asp Asn
 245 250 255
 Ile Gly Asp Gln Leu Lys Ala Arg Glu Val Thr Lys Glu Tyr Val Ala
 260 265 270
 Lys Val Val Gly Glu Phe Pro Glu Thr Glu Val Ile Val Glu Lys Pro
 275 280 285
 Leu Lys Leu Ile Glu Pro Arg Leu Ala Leu Asn Ala Val Cys Gln Met
 290 295 300
 Asp Glu Lys Gly Ala Lys His Ala Lys Thr Val Phe Asn Arg Ile Ser
 305 310 315 320
 Tyr Asp Gly Lys Thr Ser Ile Val Lys Cys Lys Pro Leu Thr Gly Arg
 325 330 335
 Ser His Gln Ile Arg Val His Leu Gln Tyr Leu Gly His Pro Ile Ala
 340 345 350
 Asn Asp Pro Ile Tyr Ser Asn Asp Glu Val Trp Gly Asn Asn Leu Gly
 355 360 365

Lys Gly Gly Gln Ala Asp Phe Asp Ile Val Ile Thr Lys Leu Asp Glu
 370 375 380
 Ile Gly Lys Arg Lys Pro Ala Lys Ser Trp Phe His Ser Asn Gly Gly
 385 390 395 400
 Tyr Gly Glu Val Leu Arg Gln Glu Lys Cys Ser Ile Cys Glu Ser Asp
 405 410 415
 Leu Tyr Thr Asp Pro Gly Pro Asn Asp Leu Asp Leu Trp Leu His Ala
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 Tyr Leu Tyr Glu Ser Thr Glu Thr Glu Glu Gly Thr Glu Lys Lys Lys
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 Trp Cys Tyr Lys Thr Glu Tyr Pro Glu Trp Ala Leu Arg Arg
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<210> 37
 <211> 1364
 <212> DNA
 <213> *Candida albicans*

<400> 37
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 ctgatattca gaaaaaacac ccatacatgt tgaaaaataa tgcattgtga aaaaaagtgg 180
 ttgaaaaatg tatgcgatct aggaaaaact gaattttcct taggttgtcg ctcctcctct 240
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 gaaacagaac tggtagcagt tcgttccggc caggccgcgt gagcctatac caccgaatat 360
 tatcctagcg cagagagtaa cactggcaaa gtcaaaaagta aatgccatgt aaaatgtata 420
 ggttacgcag tagactattt aatatatacc tttttattta gcagtgtttc gaaaaatata 480
 gcaagagaat aagcaacaag atgtctgccg tcccaagtgt ccaagtatgt taaataat 540
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 gggaaaaatat tatacttaat ttctctgtgg agtaaagtaa tgagcgtctt ttgcggtctt 780
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<210> 38
 <211> 143
 <212> PRT
 <213> *Candida albicans*

<400> 38

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Thr	Ala	Val	Ala	His	Val	Lys	Ala	Gly	Lys	Gly	Leu	Ile	Lys	Val	Asn
		20						25					30		
Gly	Ser	Pro	Ile	Thr	Leu	Val	Glu	Pro	Glu	Ile	Leu	Arg	Phe	Lys	Val
		35					40					45			
Tyr	Glu	Pro	Leu	Leu	Leu	Val	Gly	Leu	Asp	Lys	Phe	Ser	Asn	Ile	Asp
	50					55					60				
Ile	Arg	Val	Arg	Val	Thr	Gly	Gly	Gly	His	Val	Ser	Gln	Val	Tyr	Ala
65					70					75					80
Ile	Arg	Gln	Ala	Ile	Ala	Lys	Gly	Leu	Val	Ala	Tyr	His	Gln	Lys	Tyr
				85					90					95	
Val	Asp	Glu	Gln	Ser	Lys	Asn	Glu	Leu	Lys	Lys	Ala	Phe	Thr	Ser	Tyr
		100						105					110		
Asp	Arg	Thr	Leu	Leu	Ile	Ala	Asp	Ser	Arg	Arg	Pro	Glu	Pro	Lys	Lys
	115						120					125			
Phe	Gly	Gly	Lys	Gly	Ala	Arg	Ser	Arg	Phe	Gln	Lys	Ser	Tyr	Arg	
	130					135					140				

<210> 39

<211> 1088

<212> DNA

<213> Candida albicans

<400> 39

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acgcatggag gcttctacaa aacagcgtgc cgttttgatg gcatgagcag ggggcgcaaa 180
ggaaacaccg gtaaactcgc caagaccttg ttggccacgt agcctcaaag gttgaattga 240
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<210> 40

42

<211> 158

<212> PRT

<213> Candida albicans

<400> 40

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Met Glu Pro Leu Ile Ser Ala Pro Tyr Leu Thr Thr Thr Lys Met Ser
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Ala Pro Ala Thr Leu Asp Ala Ala Cys Ile Phe Cys Lys Ile Ile Lys
          20             25             30

Ser Glu Ile Pro Ser Phe Lys Leu Ile Glu Thr Lys Tyr Ser Tyr Ala
          35             40             45

Phe Leu Asp Ile Gln Pro Thr Ala Glu Gly His Ala Leu Ile Ile Pro
          50             55             60

Lys Tyr His Gly Ala Lys Leu His Asp Ile Pro Asp Glu Phe Leu Thr
          65             70             75             80

Asp Ala Met Pro Ile Ala Lys Arg Leu Ala Lys Ala Met Lys Leu Asp
          85             90             95

Thr Tyr Asn Val Leu Gln Asn Asn Gly Lys Ile Ala His Gln Glu Val
          100            105            110

Asp His Val His Phe His Leu Ile Pro Lys Arg Asp Glu Lys Ser Gly
          115            120            125

Leu Ile Val Gly Trp Pro Ala Gln Glu Thr Asp Phe Asp Lys Leu Gly
          130            135            140

Lys Leu His Lys Glu Leu Leu Ala Lys Leu Glu Gly Ser Asp
          145            150            155

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<210> 41

<211> 578

<212> DNA

<213> Candida albicans

<400> 41

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tctttgaaat ttcgcttggt ttctgttttc atcttatatt ttacttcaat cctaagatag 480
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<210> 42

<211> 25

43

<212> PRT

<213> Candida albicans

<400> 42

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 1 5 10 15

Arg Arg Lys Val Arg Ala Arg Ser Lys
 20 25

<210> 43

<211> 1268

<212> DNA

<213> Candida albicans

<400> 43

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 tactatatga aaaaatgaaa agaggcctg ctttgaaccc gtacatttta ttctataata 240
 ttgcatctgt ggtttgcctg acggcagcga gtccaacaca aagtctggca tatgctacga 300
 attttccacc atggattcag cacccaaaca tttgaatttt ttttcatgtc gattgtgaaa 360
 ttttactgaa gatgagggta aatagaggcc tgcaatcgtc atcatatgag aaatggatat 420
 attgaaaatc tactcacatc tcttttttgg gggtttggta gtacagttag aacacgataa 480
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 acgaacaaca aagagaagct gttagacaat tatacaaggg taagaagtac caaccaagg 1140
 acttgagagc caagaagacc agagctttga gaagagcttt gaccaaattc gaagcttccc 1200
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 aggtctaa 1268

<210> 44

<211> 120

<212> PRT

<213> Candida albicans

<400> 44

Met Ala Gly Val Lys Ala Tyr Glu Leu Arg Thr Lys Ser Lys Glu Gln
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Leu Ala Ser Gln Leu Val Asp Leu Lys Lys Glu Leu Ala Glu Leu Lys
 20 25 30

Val Gln Lys Leu Ser Arg Pro Ser Leu Pro Lys Ile Lys Thr Val Arg
 35 40 45

Lys Ser Ile Ala Cys Val Leu Thr Val Ile Asn Glu Gln Gln Arg Glu
 50 55 60
 Ala Val Arg Gln Leu Tyr Lys Gly Lys Lys Tyr Gln Pro Lys Asp Leu
 65 70 75 80
 Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Ala Leu Thr Lys Phe Glu
 85 90 95
 Ala Ser Gln Val Thr Glu Lys Gln Arg Lys Lys Gln Ile Ala Phe Pro
 100 105 110
 Gln Arg Lys Tyr Ala Ile Lys Ala
 115 120

<210> 45

<211> 2660

<212> DNA

<213> Candida albicans

<400> 45

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tgtggttaga	acaacatcca	gatggagtc	caaatagaata	tcaagggcct	cgtagcgatg	180
acgaagacga	tgaagacagt	gagtaggcgt	tccataactt	tgtgtatcta	catatataca	240
tatataattg	taaattagta	acagtagtaa	tagtagtgcc	tattataaag	ggttttcttt	300
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gatgcccgat	ggaaaagttt	aaagtgaata	atttttcaac	acatacaagt	ttaataagtt	420
ggttttgatg	caaataagcat	tactaaagaa	gagcgctagg	ataatttgtc	attgctattg	480
tgatttttga	tacagaaatt	atgcactatg	tggtactaga	gctgcaagtt	gcgcatttgc	540
cagatacccc	caaggatcaa	tgtcgcattg	cgaatatagc	atttcaaatt	gtgaatgctg	600
aaacattagt	atgccattat	gggaccaatt	ctttaccgag	cattgaagta	aacgggacga	660
caaagagttt	ggagagtgc	atggtgcaat	tggacaagga	tattcatgac	gttattggta	720
acgacgactt	tgttcttgtt	tccctgtatt	caacatggca	tatccgtgtt	accttaccac	780
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cggatcattt	ttcgggaaat	aataatatag	ccccaaatta	tcgttataat	aataatatta	1980
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<210> 46

<211> 719

<212> PRT

<213> Candida albicans

<400> 46

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Pro Lys Asp Gln Cys Arg Ile Ala Asn Ile Ala Phe Gln Ile Val Asn
      20              25              30

Ala Glu Thr Leu Val Cys His Tyr Gly Thr Asn Ser Leu Pro Ser Ile
      35              40              45

Glu Val Asn Gly Thr Thr Lys Ser Leu Glu Ser Ala Met Val Gln Leu
      50              55              60

Asp Lys Asp Ile His Asp Val Ile Gly Asn Asp Asp Phe Val Leu Val
      65              70              75              80

Ser Leu Tyr Ser Thr Trp His Ile Arg Val Thr Leu Pro Arg Gln Ala
      85              90              95

Arg Asp Asp Gly Phe Ile Leu Thr Ser Tyr Leu Gln His Pro Lys Val
      100              105              110

Phe Asp Leu Trp Lys Glu Phe Asp Arg Trp Cys Val Asn His Pro Glu
      115              120              125

Ile Leu Gly Gln Lys Lys Ala Ile Ser Asn Asn Asn Cys Asn Thr Lys
      130              135              140

Ser Ile Ser Ile Asn Ala Ala Lys Asn Thr Lys Asp Leu Asp Glu Ile
      145              150              155              160

Val Arg Ile Leu Glu Val Ser Ile Pro Thr Glu Glu Ala Gly Ser Val
      165              170              175

Pro Glu Ile Tyr Ser Leu Leu Lys Arg Thr Thr Asp Ile Leu Ile Gln
      180              185              190

Leu His Lys Lys Cys Thr Ser Pro Glu Asp Met Glu Ser Val Leu Thr
      195              200              205

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Lys Pro Tyr Asp Ser His Thr Asp Ile Arg Ala Phe Leu Gln Glu Lys
 210 215 220
 Ser Lys Ile Leu Tyr Met Asn Asn Leu Pro Pro Asp Thr Thr Gln Ser
 225 230 235 240
 Glu Leu Glu Ser Trp Phe Thr Gln Tyr Gly Val Arg Pro Val Gly Phe
 245 250 255
 Trp Thr Val Lys Asn Ile Val Glu Asp Thr Ser Asn Val Asn Asn Asn
 260 265 270
 Trp Ser Leu Asn Asn Ser Pro Tyr Val Glu Asp Gln Asp Ser Ile Ser
 275 280 285
 Gly Phe Val Val Phe Gln Thr His Glu Glu Ala Thr Glu Val Leu Ala
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 Leu Asn Gly Arg Ser Ile Leu Ser Asn Leu Ala Asn Thr Lys Gln Pro
 305 310 315 320
 Arg Val Val Glu His Val Leu Glu Leu Gln Pro Ser Ser Thr Gly Val
 325 330 335
 Leu Asp Lys Ala Gln Glu Ile Leu Ser Pro Phe Pro Gln Ser Lys Asn
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 Lys Pro Arg Pro Gly Asp Trp Asn Cys Pro Ser Cys Gly Phe Ser Asn
 355 360 365
 Phe Gln Arg Arg Thr Ala Cys Phe Arg Cys Ser Phe Pro Ala Pro Ser
 370 375 380
 Asn Ser Gln Ile His Thr Ala Asn Ser Asn Asn Asn Val Asn Ser Ser
 385 390 395 400
 Arg Asn Asn Leu Asn Asn Arg Val Asn Ser Gly Ser Ser Ser Asn Ile
 405 410 415
 Ser Asn Thr Ala Ala Asn His Pro Tyr Gly Ala Pro Glu Phe Asn Met
 420 425 430
 Ile Ala Asn Asn Thr Pro Ala Ala Leu Thr Tyr Asn Arg Ala His Phe
 435 440 445
 Pro Ala Ile Thr Pro Leu Ser Arg Gln Asn Ser Leu Asn Met Ala Pro
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 Ser Asn Ser Gly Ser Pro Ile Ile Ile Ala Asp His Phe Ser Gly Asn
 465 470 475 480
 Asn Asn Ile Ala Pro Asn Tyr Arg Tyr Asn Asn Asn Ile Asn Asn Asn
 485 490 495
 Asn Asn Asn Ile Asn Asn Met Thr Asn Asn Arg Tyr Asn Ile Asn Asn
 500 505 510

Asn Ile Asn Gly Asn Gly Asn Gly Asn Gly Asn Asn Ser Asn Asn Asn
 515 520 525
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 565 570 575
 Asn Met Pro Phe Arg Ala Gly Asp Trp Lys Cys Ser Thr Cys Thr Tyr
 580 585 590
 His Asn Phe Ala Lys Asn Val Val Cys Leu Arg Cys Gly Gly Pro Lys
 595 600 605
 Ser Ile Ser Gly Asp Ala Ser Glu Thr Asn His Tyr Ile Asp Ser Ser
 610 615 620
 Thr Phe Gly Pro Ala Ser Arg Thr Pro Ser Asn Asn Asn Ile Ser Val
 625 630 635 640
 Asn Thr Asn Gly Gly Ser Asn Ala Gly Arg Thr Asp Gly Asn Asp Asn
 645 650 655
 Lys Gly Arg Asp Ile Ser Leu Met Glu Phe Met Ser Pro Pro Leu Ser
 660 665 670
 Met Ala Thr Lys Ser Met Lys Glu Gly Asp Gly Asn Gly Ser Ser Phe
 675 680 685
 Asn Glu Phe Lys Ser Asp Lys Ala Asn Val Asn Phe Ser Asn Val Gly
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 Asp Asn Ser Ala Phe Gly Asn Gly Phe Asn Ser Ser Ile Arg Trp
 705 710 715

<210> 47

<211> 578

<212> DNA

<213> Candida albicans

<400> 47

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48

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578

<210> 48

<211> 25

<212> PRT

<213> Candida albicans

<400> 48

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Arg Arg Lys Val Arg Ala Arg Ser Lys
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<210> 49

<211> 1354

<212> DNA

<213> Candida albicans

<400> 49

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 caagactgaa gaggatcttt gatttggtgt tactcaacaa ataatcttca cgaaaacttt 180
 ctcaatctgg ggactgtatt aatctcagac ccatacatat ctacacccat aactttttac 240
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 gcgcagcctc tccgggtgaa cccacgaca acttacctgg cactccatgc actaacgggc 360
 ggggtttgggc aggattccag catcaatttt gcaaaattca cactgagta attcatatat 420
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 tttggaacgt aattcatccg ttggctatgt ctattcaata cagttagaat acgaaagctg 660
 taatcaagta tatcggatta ttcgcaagca aagaatcaag gaaaagaaaag tgaaaatagc 720
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<210> 50

<211> 120

<212> PRT

<213> Candida albicans

<400> 50

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 Val Gln Lys Leu Ser Arg Pro Ser Leu Pro Lys Ile Lys Thr Val Arg
 35 40 45
 Lys Ser Ile Ala Cys Val Leu Thr Val Ile Asn Glu Gln Gln Arg Glu
 50 55 60
 Ala Val Arg Gln Leu Tyr Lys Gly Lys Lys Tyr Gln Pro Lys Asp Leu
 65 70 75 80
 Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Ala Leu Thr Lys Phe Glu
 85 90 95
 Ala Ser Gln Val Thr Glu Lys Gln Arg Lys Lys Gln Ile Ala Phe Pro
 100 105 110
 Gln Arg Lys Tyr Ala Ile Lys Ala
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<210> 51

<211> 3254

<212> DNA

<213> Candida albicans

<400> 51

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<210> 52

<211> 917

<212> PRT

<213> *Candida albicans*

<400> 52

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Gly Ser Ser Thr Gln Tyr Ser Gly Thr Leu Ser Arg Thr Pro Asn Gln
          20                      25                      30

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Ile Ile Glu Leu Glu Lys Pro Ser Thr Leu Ser Pro Leu Ser Arg Gly
    35                      40                      45

```

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Lys Lys Trp Thr Glu Lys Leu Ala Arg Phe Gln Arg Ser Ser Ala Lys
    50                      55                      60

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```

Lys Lys Arg Phe Ser Pro Ser Pro Ile Ser Ser Ser Thr Phe Ser Phe
    65                      70                      75                      80

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```

Ser Pro Lys Ser Arg Val Thr Ser Ser Asn Ser Ser Gly Asn Glu Asp
          85                      90                      95

```

```

Gly Asn Leu Met Asn Thr Pro Ser Thr Val Ser Thr Asp Tyr Leu Pro
    100                      105                      110

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Gln His Pro His Arg Thr Ser Ser Leu Pro Arg Pro Asn Ser Asn Leu

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Tyr	Pro	Ile	Gln	Arg	Thr	Ser	Ile	Lys	Lys	Ser	Phe	Leu	Asn	Ala	Ser	
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Cys	Thr	Leu	Cys	Asp	Glu	Pro	Ile	Ser	Asn	Arg	Arg	Lys	Gly	Glu	Lys	
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Ile	Ile	Glu	Leu	Ala	Cys	Gly	His	Leu	Ser	His	Gln	Glu	Cys	Leu	Ile	
195					200					205						
Ile	Ser	Phe	Gly	Thr	Thr	Ser	Lys	Ala	Asp	Val	Arg	Ala	Leu	Phe	Pro	
210					215					220						
Phe	Cys	Thr	Lys	Cys	Lys	Lys	Asp	Thr	Asn	Lys	Ala	Val	Gln	Cys	Ile	
225					230					235					240	
Pro	Glu	Asn	Asp	Glu	Leu	Lys	Asp	Ile	Leu	Ile	Ser	Asp	Phe	Leu	Ile	
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His	Lys	Ile	Pro	Asp	Ser	Glu	Leu	Ser	Ile	Thr	Pro	Gln	Ser	Arg	Phe	
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Pro	Pro	Tyr	Ser	Pro	Leu	Leu	Pro	Pro	Phe	Gly	Leu	Ser	Tyr	Thr	Pro	
275					280					285						
Val	Glu	Arg	Gln	Thr	Ile	Tyr	Ser	Gln	Ala	Pro	Ser	Leu	Asn	Pro	Asn	
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Leu	Ile	Leu	Ala	Ala	Pro	Pro	Lys	Glu	Arg	Asn	Gln	Ile	Pro	Gln	Lys	
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Lys	Ser	Asn	Tyr	Thr	Phe	Leu	His	Ser	Pro	Leu	Gly	His	Arg	Arg	Ile	
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Pro	Ser	Gly	Ala	Asn	Ser	Ile	Leu	Ala	Asp	Thr	Ser	Val	Ala	Leu	Ser	
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Ala	Asn	Asp	Ser	Ile	Ser	Ala	Val	Ser	Asn	Ser	Val	Arg	Ala	Lys	Asp	
355					360					365						
Asp	Glu	Thr	Lys	Thr	Thr	Leu	Pro	Leu	Leu	Arg	Ser	Tyr	Phe	Ile	Gln	
370					375					380						
Ile	Leu	Leu	Asn	Asn	Phe	Gln	Glu	Glu	Leu	Gln	Asp	Trp	Arg	Ile	Asp	
385					390					395					400	
Gly	Asp	Tyr	Gly	Leu	Leu	Arg	Leu	Val	Asp	Lys	Leu	Met	Ile	Ser	Lys	
405					410					415						
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Leu	Lys	Asn	Leu	Glu	Val	Phe	Thr	Pro	Ile	Ala	Asn	Leu	Arg	Met	Thr	
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Phe	Ala	Arg	Leu	Gln	Phe	Cys	Phe	Val	Asp	Arg	Asn	Asn	Tyr	Val	Leu	
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<213> Candida albicans

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<212> PRT

<213> Candida albicans

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Cys	Tyr	Lys	Leu	Ile	Ser	Asn	Phe	Phe	Tyr	Leu	Leu	Lys	Val	Tyr	Gly	65	70	75	80
Pro	Val	Arg	Leu	Ala	Val	Arg	Thr	Tyr	Glu	His	Ser	Ser	Arg	Arg	Leu	85	90	95	
Phe	Arg	Trp	Leu	Leu	Asp	Ser	Pro	Phe	Leu	Arg	Gly	Thr	Val	Glu	Lys	100	105	110	
Glu	Val	Thr	Lys	Val	Lys	Gln	Ser	Ile	Glu	Asp	Glu	Leu	Ile	Arg	Ser	115	120	125	
Asp	Ser	Gln	Leu	Met	Asn	Phe	Pro	Gln	Leu	Pro	Ser	Asn	Gly	Ile	Pro	130	135	140	
Gln	Asp	Asp	Val	Ile	Glu	Glu	Leu	Asn	Lys	Leu	Asn	Asp	Leu	Ile	Pro	145	150	155	160
His	Thr	Gln	Trp	Lys	Glu	Gly	Lys	Val	Ser	Gly	Ala	Val	Tyr	His	Gly	165	170	175	
Gly	Asp	Asp	Leu	Ile	His	Leu	Gln	Thr	Ile	Ala	Tyr	Glu	Lys	Tyr	Cys	180	185	190	
Val	Ala	Asn	Gln	Leu	His	Pro	Asp	Val	Phe	Pro	Ala	Val	Arg	Lys	Met	195	200	205	
Glu	Ser	Glu	Val	Val	Ser	Met	Val	Leu	Arg	Met	Phe	Asn	Ala	Pro	Ser	210	215	220	
Asp	Thr	Gly	Cys	Gly	Thr	Thr	Thr	Ser	Gly	Gly	Thr	Glu	Ser	Leu	Leu	225	230	235	240
Leu	Ala	Cys	Leu	Ser	Ala	Lys	Met	Tyr	Ala	Leu	His	His	Arg	Gly	Ile	245	250	255	

Thr	Glu	Pro	Glu	Ile	Ile	Ala	Pro	Val	Thr	Ala	His	Ala	Gly	Phe	Asp	260	265	270
Lys	Ala	Ala	Tyr	Tyr	Phe	Gly	Met	Lys	Leu	Arg	His	Val	Glu	Leu	Asp	275	280	285
Pro	Thr	Thr	Tyr	Gln	Val	Asp	Leu	Gly	Lys	Val	Lys	Lys	Phe	Ile	Asn	290	295	300
Lys	Asn	Thr	Ile	Leu	Leu	Val	Gly	Ser	Ala	Pro	Asn	Phe	Pro	His	Gly	305	310	320
Ile	Ala	Asp	Asp	Ile	Glu	Gly	Leu	Gly	Lys	Ile	Ala	Gln	Lys	Tyr	Lys	325	330	335
Leu	Pro	Leu	His	Val	Asp	Ser	Cys	Leu	Gly	Ser	Phe	Ile	Val	Ser	Phe	340	345	350
Met	Glu	Lys	Ala	Gly	Tyr	Lys	Asn	Leu	Pro	Leu	Leu	Asp	Phe	Arg	Val	355	360	365
Pro	Gly	Val	Thr	Ser	Ile	Ser	Cys	Asp	Thr	His	Lys	Tyr	Gly	Phe	Ala	370	375	380
Pro	Lys	Gly	Ser	Ser	Val	Ile	Met	Tyr	Arg	Asn	Ser	Asp	Leu	Arg	Met	385	390	395
His	Gln	Tyr	Tyr	Val	Asn	Pro	Ala	Trp	Thr	Gly	Gly	Leu	Tyr	Gly	Ser	405	410	415
Pro	Thr	Leu	Ala	Gly	Ser	Arg	Pro	Gly	Ala	Ile	Val	Val	Gly	Cys	Trp	420	425	430
Ala	Thr	Met	Val	Asn	Met	Gly	Glu	Asn	Gly	Tyr	Ile	Glu	Ser	Cys	Gln	435	440	445
Glu	Ile	Val	Gly	Ala	Ala	Met	Lys	Phe	Lys	Lys	Tyr	Ile	Gln	Glu	Asn	450	455	460
Ile	Pro	Asp	Leu	Asn	Ile	Met	Gly	Asn	Pro	Arg	Tyr	Ser	Val	Ile	Ser	465	470	475
Phe	Ser	Ser	Lys	Thr	Leu	Asn	Ile	His	Glu	Leu	Ser	Asp	Arg	Leu	Ser	485	490	495
Lys	Lys	Gly	Trp	His	Phe	Asn	Ala	Leu	Gln	Lys	Pro	Val	Ala	Leu	His	500	505	510
Met	Ala	Phe	Thr	Arg	Leu	Ser	Ala	His	Val	Val	Asp	Glu	Ile	Cys	Asp	515	520	525
Ile	Leu	Arg	Thr	Thr	Val	Gln	Glu	Leu	Lys	Ser	Glu	Ser	Asn	Ser	Lys	530	535	540
Pro	Ser	Pro	Asp	Gly	Thr	Ser	Ala	Leu	Tyr	Gly	Val	Ala	Gly	Ser	Val	545	550	555

Lys Thr Ala Gly Val Ala Asp Lys Leu Ile Val Gly Phe Leu Asp Ala
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Leu Tyr Lys Leu Gly Pro Gly Glu Asp Thr Ala Thr Lys
 580 585

<210> 59

<211> 3470

<212> DNA

<213> Candida albicans

<400> 59

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<210> 60

<211> 989

<212> PRT

<213> Candida albicans

<400> 60

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```

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Val Arg Lys Tyr Pro Val Gly Gly Ile Phe His Gly Tyr Glu Val Arg
      20             25             30

```

```

Arg Ile Leu Pro Val Pro Glu Leu Arg Leu Thr Ala Val Asp Leu Val
      35             40             45

```

```

His Ser Gln Thr Gly Ala Glu His Leu His Ile Asp Arg Asp Asp Lys
      50             55             60

```

```

Asn Asn Val Phe Ser Ile Ala Phe Lys Thr Asn Pro Pro Asp Ser Thr
      65             70             75             80

```

```

Gly Val Pro His Ile Leu Glu His Thr Thr Leu Cys Gly Ser Val Lys
      85             90             95

```

```

Tyr Pro Val Arg Asp Pro Phe Phe Lys Met Leu Asn Lys Ser Leu Ala
      100            105            110

```

```

Asn Phe Met Asn Ala Met Thr Gly Pro Asp Tyr Thr Phe Phe Pro Phe
      115            120            125

```

```

Ser Thr Thr Asn Pro Gln Asp Phe Ala Asn Leu Arg Gly Val Tyr Leu
      130            135            140

```

```

Asp Ser Thr Leu Asn Pro Leu Leu Lys Gln Glu Asp Phe Asp Gln Glu
      145            150            155            160

```

```

Gly Trp Arg Leu Glu His Lys Asn Ile Thr Asp Pro Glu Ser Asn Ile
      165            170            175

```

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Val Phe Lys Gly Val Val Tyr Asn Glu Met Lys Gly Gln Ile Ser Asn

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180					185					190					
Ala	Asn	Tyr	Tyr	Phe	Trp	Ser	Lys	Phe	Gln	Gln	Ser	Ile	Tyr	Pro	Ser
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Leu	Asn	Asn	Ser	Gly	Gly	Asp	Pro	Met	Lys	Ile	Thr	Asp	Leu	Arg	Tyr
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Gly	Asp	Leu	Leu	Asp	Phe	His	His	Lys	Asn	Tyr	His	Pro	Ser	Asn	Ala
225					230					235					240
Lys	Thr	Phe	Thr	Tyr	Gly	Asn	Leu	Pro	Leu	Val	Asp	Thr	Leu	Lys	Gln
				245					250					255	
Leu	Asn	Glu	Gln	Phe	Ser	Gly	Tyr	Gly	Lys	Arg	Ala	Arg	Lys	Asp	Lys
			260					265					270		
Leu	Leu	Met	Pro	Ile	Asp	Leu	Lys	Lys	Asp	Ile	Asp	Val	Lys	Leu	Leu
	275					280						285			
Gly	Gln	Ile	Asp	Thr	Met	Leu	Pro	Pro	Glu	Lys	Gln	Thr	Lys	Ala	Ser
	290					295					300				
Met	Thr	Trp	Ile	Cys	Gly	Ala	Pro	Gln	Asp	Thr	Tyr	Asp	Thr	Phe	Leu
305					310					315					320
Leu	Lys	Val	Leu	Gly	Asn	Leu	Leu	Met	Asp	Gly	His	Ser	Ser	Val	Met
				325					330					335	
Tyr	Gln	Lys	Leu	Ile	Glu	Ser	Gly	Ile	Gly	Leu	Glu	Phe	Ser	Val	Asn
			340					345					350		
Ser	Gly	Val	Glu	Pro	Thr	Thr	Ala	Val	Asn	Leu	Leu	Thr	Val	Gly	Ile
		355					360					365			
Gln	Gly	Val	Ser	Asp	Ile	Glu	Ile	Phe	Lys	Asp	Thr	Val	Asn	Asn	Ile
	370					375					380				
Phe	Gln	Asn	Leu	Leu	Glu	Thr	Glu	His	Pro	Phe	Asp	Arg	Lys	Arg	Ile
385					390					395					400
Asp	Ala	Ile	Ile	Glu	Gln	Leu	Glu	Leu	Ser	Lys	Lys	Asp	Gln	Lys	Ala
				405					410					415	
Asp	Phe	Gly	Leu	Gln	Leu	Leu	Tyr	Ser	Ile	Leu	Pro	Gly	Trp	Thr	Asn
			420					425					430		
Lys	Ile	Asp	Pro	Phe	Glu	Ser	Leu	Leu	Phe	Glu	Asp	Val	Leu	Gln	Arg
		435					440					445			
Phe	Arg	Gly	Asp	Leu	Glu	Thr	Lys	Gly	Asp	Thr	Leu	Phe	Gln	Asp	Leu
	450					455					460				
Ile	Arg	Lys	Tyr	Ile	Val	His	Lys	Pro	Cys	Phe	Thr	Phe	Ser	Ile	Gln
465					470					475					480
Gly	Ser	Glu	Glu	Phe	Ser	Lys	Ser	Leu	Asp	Asp	Glu	Glu	Gln	Thr	Arg

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Leu	Arg	Glu	Lys	Ile	Thr	Ala	Leu	Asp	Glu	Gln	Asp	Lys	Lys	Asn	Ile
			500					505						510	
Phe	Lys	Arg	Gly	Ile	Leu	Leu	Gln	Glu	Lys	Gln	Asn	Glu	Lys	Glu	Asp
		515					520					525			
Leu	Ser	Cys	Leu	Pro	Thr	Leu	Gln	Ile	Lys	Asp	Ile	Pro	Arg	Ala	Gly
	530					535					540				
Asp	Lys	Tyr	Ser	Ile	Glu	Gln	Lys	Asn	Asn	Thr	Met	Ser	Arg	Ile	Thr
545					550					555					560
Asp	Thr	Asn	Gly	Ile	Thr	Tyr	Val	Arg	Gly	Lys	Arg	Leu	Leu	Asn	Asp
			565						570					575	
Ile	Ile	Pro	Phe	Glu	Leu	Phe	Pro	Tyr	Leu	Pro	Leu	Phe	Ala	Glu	Ser
			580					585					590		
Leu	Thr	Asn	Leu	Gly	Thr	Thr	Thr	Glu	Ser	Phe	Ser	Glu	Ile	Glu	Asp
		595					600					605			
Gln	Ile	Lys	Leu	His	Thr	Gly	Gly	Ile	Ser	Thr	His	Val	Glu	Val	Thr
	610					615					620				
Ser	Asp	Pro	Asn	Thr	Thr	Glu	Pro	Arg	Leu	Ile	Phe	Gly	Phe	Asp	Gly
625						630					635				640
Trp	Ser	Leu	Asn	Ser	Lys	Thr	Asp	His	Ile	Phe	Glu	Phe	Trp	Ser	Lys
			645						650					655	
Ile	Leu	Leu	Glu	Thr	Asp	Phe	His	Lys	Asn	Ser	Asp	Lys	Leu	Lys	Val
			660					665					670		
Leu	Ile	Arg	Leu	Leu	Ala	Ser	Ser	Asn	Thr	Ser	Ser	Val	Ala	Asp	Ala
		675					680					685			
Gly	His	Ala	Phe	Ala	Arg	Gly	Tyr	Ser	Ala	Ala	His	Tyr	Arg	Ser	Ser
	690					695					700				
Gly	Ala	Ile	Asn	Glu	Thr	Leu	Asn	Gly	Ile	Glu	Gln	Leu	Gln	Phe	Ile
705						710					715				720
Asn	Arg	Leu	His	Ser	Leu	Leu	Asp	Asn	Glu	Glu	Thr	Phe	Gln	Arg	Glu
			725					730						735	
Val	Val	Asp	Lys	Leu	Thr	Glu	Leu	Gln	Lys	Tyr	Ile	Val	Asp	Thr	Asn
			740					745					750		
Asn	Met	Asn	Phe	Phe	Ile	Thr	Ser	Asp	Ser	Asp	Val	Gln	Ala	Lys	Thr
		755					760					765			
Val	Glu	Ser	Gln	Ile	Ser	Lys	Phe	Met	Glu	Arg	Leu	Pro	His	Gly	Ser
	770					775					780				
Cys	Leu	Pro	Asn	Gly	Pro	Lys	Thr	Ser	Asp	Tyr	Pro	Leu	Ile	Gly	Ser

785	790					795					800				
Lys Cys Lys His Thr	Leu Ile Lys Phe Pro Phe Gln Val His Tyr Thr														
	805					810						815			
Ser Gln Ala Leu Leu Gly Val	Pro Tyr Thr His Lys Asp Gly Ser Ala														
	820					825						830			
Leu Gln Val Met Ser Asn Met	Leu Thr Phe Lys His Leu His Arg Glu														
	835					840						845			
Val Arg Glu Lys Gly Gly Ala Tyr Gly Gly Gly	Ala Ser Tyr Ser Ala														
	850					855						860			
Leu Ala Gly Ile Phe Ser Phe Tyr Ser Tyr Arg Asp	Pro Gln Pro Leu														
	865					870						875		880	
Lys Ser Leu Glu Thr Phe Lys Asn Ser Gly Arg Tyr	Ile Leu Asn Asp														
	885													895	
Ala Lys Trp Gly Val Thr Asp Leu Asp Glu Ala Lys	Leu Thr Ile Phe														
	900													910	
Gln Gln Val Asp Ala Pro Lys Ser Pro Lys Gly Glu	Gly Val Thr Tyr														
	915													925	
Phe Met Ser Gly Val Thr Asp Asp Met Lys Gln Ala	Arg Arg Glu Gln														
	930													940	
Leu Leu Asp Val Ser Leu Leu Asp Val His Arg Val	Ala Glu Lys Tyr														
	945													950	
Leu Leu Asn Lys Glu Gly Val Ser Thr Val Ile Gly	Pro Gly Ile Glu														
	965													970	
Gly Lys Thr Val Ser Pro Asn Trp Glu Val Lys Glu	Leu														
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<210> 61

<211> 1612

<212> DNA

<213> Candida albicans

<400> 61

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<210> 62

<211> 370

<212> PRT

<213> Candida albicans

<400> 62

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Glu Leu Leu Glu Thr Asn Ala Tyr Asn Lys Pro Phe Phe Leu Thr Tyr
      35              40              45

Leu Asn Ile Ser Ser Phe Ala Leu Tyr Leu Thr Pro Asp Leu Trp Arg
      50              55              60

Ile Ile Gln Ser Arg Arg Lys Ser Leu Gln Glu Arg Thr Glu Arg Thr
      65              70              75              80

Leu Pro Ile His Thr Gln Glu Ser Phe Ser Glu Phe Leu Pro Leu Leu
      85              90              95

Ser Ser Thr Pro Ser Thr Ser Ser Asn Leu Ser Ser Ile Ala Asp Thr
      100              105              110

Lys Val Lys Asp Thr Met Arg Leu Ser Leu Leu Phe Cys Val Leu Trp
      115              120              125

Phe Val Ala Asn Leu Ala Ala Asn Ala Ala Leu Ser Tyr Thr Thr Val
      130              135              140

Ala Ser Ser Thr Ile Leu Ser Ser Thr Ser Ser Phe Phe Thr Leu Phe
      145              150              155              160

Leu Ala Thr Ser Leu Gly Ile Glu Thr Phe Ser Thr Lys Lys Leu Leu
      165              170              175

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Gly Leu Phe Val Ser Leu Phe Gly Ile Ile Leu Ile Val Met Gln Ser
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 Ser Lys Gln Gln Asp Ser Val Ser Ala Ser Ser Phe Leu Val Gly Asn
 195 200 205
 Thr Leu Ala Leu Leu Gly Ser Leu Gly Tyr Ser Val Tyr Thr Thr Leu
 210 215 220
 Leu Lys Tyr Glu Ile Ser Ser Lys Gly Leu Arg Leu Asp Ile Gln Met
 225 230 235 240
 Phe Leu Gly Tyr Val Gly Ile Phe Thr Phe Leu Leu Phe Trp Pro Ile
 245 250 255
 Leu Ile Ile Leu Asp Ile Thr His Met Glu Thr Phe Glu Leu Pro Ser
 260 265 270
 Asn Phe His Ile Ser Phe Leu Val Met Leu Asn Cys Ile Ile Ile Phe
 275 280 285
 Val Ser Asp Tyr Phe Trp Cys Lys Ala Leu Ile Leu Thr Ser Pro Leu
 290 295 300
 Val Val Thr Val Ala Leu Thr Phe Thr Ile Pro Leu Ala Met Phe Ala
 305 310 315 320
 Asp Phe Val Trp Arg Glu Ala Phe Phe Thr Pro Trp Tyr Ile Ile Gly
 325 330 335
 Val Ile Phe Ile Phe Val Ser Phe Phe Leu Val Asn His Arg Gly Glu
 340 345 350
 Ser Ala Val Glu Lys Asp Cys Ala Ala Val Glu Lys Gly Pro Ile Leu
 355 360 365
 Asp Ala
 370

<210> 63

<211> 1376

<212> DNA

<213> *Candida albicans*

<400> 63

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 cgtgtctggc aacaaaaaag tacatttaaat ttcaatgatt aaaaagacat taaacatccg 180
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tgagagatga cttggaaaga ttaaagaaaa tcagagctca tcgtgggtatc agacacttct 1320
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<210> 64
 <211> 146
 <212> PRT
 <213> Candida albicans

<400> 64
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 20 25 30
 Thr Thr Ile Lys Gly Val Gly Arg Arg Tyr Ser Asn Leu Val Cys Lys
 35 40 45
 Lys Ala Asp Val Asp Leu His Lys Arg Ala Gly Glu Leu Thr Gln Glu
 50 55 60
 Glu Leu Glu Arg Ile Val Gln Ile Met Gln Asn Pro Thr His Tyr Lys
 65 70 75 80
 Ile Pro Ala Trp Phe Leu Asn Arg Gln Asn Asp Ile Thr Asp Gly Lys
 85 90 95
 Asp Tyr His Thr Leu Ala Asn Asn Val Glu Ser Lys Leu Arg Asp Asp
 100 105 110
 Leu Glu Arg Leu Lys Lys Ile Arg Ala His Arg Gly Ile Arg His Phe
 115 120 125
 Trp Gly Leu Arg Val Arg Gly Gln His Thr Lys Thr Thr Gly Arg Arg
 130 135 140
 Arg Ala
 145

<210> 65
 <211> 1289
 <212> DNA
 <213> Candida albicans

<400> 65

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cacactgagg ccggtgtcga tttgtgtaaa ctaagtggac taagtcccg t cgtgttatt 240
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atgtatatat ttgtaacttt gtatatatct tttgtttttt gacctttttc ttctctatg 480
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<210> 66

<211> 262

<212> PRT

<213> Candida albicans

<400> 66

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Gly Gly Ser Gln Asp Trp Leu Lys His Ser Tyr Lys Leu Phe Lys Ala
      20              25              30

Ile Met Asn Arg Ile Phe Gly Tyr Gly Asn Lys Lys Ser His Asp Gln
      35              40              45

Leu Leu Gln Glu Ser Asn Gln Ser Met Asn Gln Ala Gln Gln Ser Leu
      50              55              60

Ser Asn Arg Ile Ser Gln Leu Asp Thr Gln Ile Ala Gln Leu Asn Phe
      65              70              75              80

Gln Leu Gln Asn Ile Gln Lys Asn Leu Gln Arg Ser Asn Asn Lys Gln
      85              90              95

Pro Ser Leu Arg Lys Gln Ala Leu Lys Ile Leu Asn Lys Arg Lys Gln
      100             105             110

Leu Glu Asn Met Lys Asp Ser Leu Asp Ser Gln Ser Trp Ser Met Thr
      115             120             125

Gln Ala Gln Leu Thr Asn Asp Asn Leu Gln Asn Thr Met Ile Thr Ile

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130	135	140
Asn Ala Leu Lys Gln Thr Asn Asn Ala Met Lys Ala Gln Tyr Gly Lys		
145	150	155 160
Ile Asn Ile Asp Lys Leu Gln Asp Met Gln Asp Glu Met Leu Asp Leu		
	165 170	175
Ile Glu Gln Gly Asp Glu Leu Gln Glu Val Leu Ala Met Asn Asn Asn		
	180 185	190
Ser Gly Glu Leu Asp Asp Ile Ser Asp Ala Glu Leu Asp Ala Glu Leu		
	195 200	205
Asp Ala Leu Ala Gln Glu Asp Phe Thr Leu Pro Thr Ser Glu Asn Ser		
	210 215	220
Leu Gly Asn Asp Met Pro Ser Tyr Leu Leu Gly Ala Asn Ala Pro Pro		
	225 230	235 240
Ala Phe Ile Asp Glu Glu Pro Asn Leu Asp Thr Glu Asp Lys Asn Lys		
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Ala Leu Glu Ser Ala Gln		
	260	

<210> 67

<211> 1295

<212> DNA

<213> Candida albicans

<400> 67

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<210> 68
 <211> 136
 <212> PRT
 <213> Candida albicans

<400> 68
 Met Ala Lys Phe Leu Lys Ala Gly Lys Val Ala Val Val Val Arg Gly
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 Arg Tyr Ala Gly Lys Lys Val Val Ile Val Lys Pro His Asp Glu Gly
 20 25 30
 Ser Lys Ser His Pro Phe Gly His Ala Leu Val Ala Gly Ile Glu Arg
 35 40 45
 Tyr Pro Ser Lys Val Thr Lys Lys His Gly Ala Lys Lys Val Ala Lys
 50 55 60
 Arg Thr Lys Ile Lys Pro Phe Ile Lys Val Val Asn Tyr Asn His Leu
 65 70 75 80
 Leu Pro Thr Arg Tyr Thr Leu Asp Val Glu Ala Phe Lys Ser Val Val
 85 90 95
 Ser Thr Glu Thr Phe Glu Gln Pro Ser Gln Arg Glu Glu Ala Lys Lys
 100 105 110
 Val Val Lys Lys Ala Phe Glu Glu Arg His Gln Ala Gly Lys Asn Gln
 115 120 125
 Trp Phe Phe Ser Lys Leu Arg Phe
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<210> 69
 <211> 2744
 <212> DNA
 <213> Candida albicans

<400> 69
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 ttgaattttt ttaaaaaaaaa aagagtcaga caggctcgct ctttcctact aaatattagg 240
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 catcagcagc attacaaaca caaattccca ctactttgga gggtacaacg accacattaa 660
 acaataaaca gagtaaaaat gataaccaac tgggttaacca actgaataaa gctcaagggtg 720
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<210> 70

<211> 747

<212> PRT

<213> Candida albicans

<400> 70

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Ile Leu Leu Glu Leu Gly Thr Arg Pro Pro Arg Phe Thr Gln Ile Pro
      20             25             30

Pro Ser Ser Ala Ala Leu Gln Thr Gln Ile Pro Thr Thr Leu Glu Val
      35             40             45

Thr Thr Thr Thr Leu Asn Asn Lys Gln Ser Lys Asn Asp Asn Gln Leu
      50             55             60

Val Asn Gln Leu Asn Lys Ala Gln Gly Glu Ala Ser Met Leu Arg Asp
      65             70             75             80

Lys Ile Asn Phe Leu Asn Ile Glu Arg Glu Lys Glu Lys Asn Ile Gln
      85             90             95

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Ala Val Lys Val Asn Glu Leu Gln Val Lys His Leu Gln Glu Leu Ala
 100 105 110
 Lys Leu Lys Gln Glu Leu Gln Lys Leu Glu Asp Glu Lys Lys Phe Leu
 115 120 125
 Gln Met Glu Ala Arg Gly Lys Ser Lys Arg Glu Val Ile Thr Asn Val
 130 135 140
 Lys Pro Pro Ser Thr Thr Leu Ser Thr Asn Thr Asn Thr Ile Thr Pro
 145 150 155 160
 Asp Ser Ser Ser Val Ala Ile Glu Ala Lys Pro Gln Ser Pro Gln Ser
 165 170 175
 Lys Lys Arg Lys Ile Ser Asp Asn Leu Leu Lys Lys Asn Met Val Pro
 180 185 190
 Leu Asn Pro Asn Arg Ile Ile Pro Asp Glu Thr Ser Leu Phe Leu Glu
 195 200 205
 Ser Ile Leu Leu His Gln Ile Ile Gly Ala Asp Leu Ser Thr Ile Glu
 210 215 220
 Ile Leu Asn Arg Leu Lys Leu Asp Tyr Ile Thr Glu Phe Lys Phe Lys
 225 230 235 240
 Asn Phe Val Ile Ala Lys Gly Ala Pro Ile Gly Lys Ser Ile Val Ser
 245 250 255
 Leu Leu Leu Arg Cys Lys Lys Thr Leu Thr Leu Asp Arg Phe Ile Asp
 260 265 270
 Thr Leu Leu Glu Asp Ile Ala Val Leu Ile Lys Glu Ile Ser Val His
 275 280 285
 Pro Asn Glu Ser Lys Leu Ala Val Pro Phe Leu Val Ala Leu Met Tyr
 290 295 300
 Gln Ile Val Gln Phe Arg Pro Ser Ala Thr His Asn Leu Ala Leu Lys
 305 310 315 320
 Asp Cys Phe Leu Phe Ile Cys Asp Leu Ile Arg Ile Tyr His His Val
 325 330 335
 Leu Lys Val Pro Ile His Glu Ser Asn Met Asn Leu His Val Glu Pro
 340 345 350
 Gln Ile Phe Gln Tyr Glu Leu Ile Asp Tyr Leu Ile Ile Ser Tyr Ser
 355 360 365
 Phe Asp Leu Leu Glu Gly Ile Leu Arg Val Leu Gln Ser His Pro Lys
 370 375 380
 Gln Thr Tyr Met Glu Phe Phe Asp Glu Asn Ile Leu Lys Ser Phe Glu
 385 390 395 400

Phe	Val	Tyr	Lys	Leu	Ala	Leu	Thr	Ile	Ser	Tyr	Lys	Pro	Met	Val	Asn	
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Val	Ile	Phe	Ser	Ala	Val	Glu	Val	Val	Asn	Ile	Ile	Thr	Ser	Ile	Ile	
			420					425					430			
Leu	Asn	Met	Asp	Asn	Ser	Ser	Asp	Leu	Lys	Ser	Leu	Ile	Ser	Gly	Ser	
		435					440					445				
Trp	Trp	Arg	Asp	Cys	Ile	Thr	Arg	Leu	Tyr	Ala	Leu	Leu	Glu	Lys	Glu	
	450					455					460					
Ile	Lys	Ser	Gly	Asp	Val	Tyr	Asn	Glu	Asn	Val	Asp	Thr	Thr	Thr	Leu	
465					470					475					480	
His	Met	Ser	Lys	Tyr	His	Asp	Phe	Phe	Gly	Leu	Ile	Arg	Asn	Ile	Gly	
				485					490					495		
Asp	Asn	Glu	Leu	Gly	Gly	Leu	Ile	Ser	Lys	Leu	Ile	Tyr	Thr	Asp	Arg	
			500					505					510			
Leu	Gln	Ser	Val	Pro	Arg	Val	Ile	Ser	Lys	Glu	Asp	Ile	Gly	Met	Asp	
		515					520					525				
Ser	Asp	Lys	Phe	Thr	Ala	Pro	Ile	Ile	Gly	Tyr	Lys	Met	Glu	Lys	Trp	
	530					535					540					
Leu	Leu	Lys	Leu	Lys	Asp	Glu	Val	Leu	Asn	Ile	Phe	Glu	Asn	Leu	Leu	
545				550					555						560	
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			565						570					575		
His	Ser	Ser	Lys	Phe	Leu	Ser	Arg	Glu	Gln	Ala	Leu	Met	Ile	Glu	Arg	
			580					585					590			
Tyr	Val	Gly	Gln	Asp	Ser	Pro	Asn	Leu	Asp	Leu	Arg	Cys	His	Leu	Ile	
		595				600						605				
Glu	His	Thr	Leu	Thr	Ile	Ile	Tyr	Arg	Leu	Trp	Lys	Asp	His	Phe	Lys	
	610					615					620					
Gln	Leu	Arg	Glu	Glu	Gln	Ile	Lys	Gln	Val	Glu	Ser	Gln	Leu	Ile	Met	
625					630					635					640	
Ser	Leu	Trp	Arg	Phe	Leu	Val	Cys	Gln	Thr	Glu	Thr	Val	Thr	Ala	Asn	
				645					650					655		
Glu	Arg	Glu	Met	Arg	Asp	His	Arg	His	Leu	Val	Asp	Ser	Leu	His	Asp	
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Leu	Thr	Ile	Lys	Asp	Gln	Ala	Ser	Tyr	Tyr	Glu	Asp	Ala	Phe	Glu	Asp	
		675					680					685				
Leu	Pro	Glu	Tyr	Ile	Glu	Glu	Glu	Leu	Lys	Met	Gln	Leu	Asn	Lys	Arg	
	690					695					700					

Thr Gly Arg Ile Met Gln Val Lys Tyr Asp Glu Lys Phe Gln Glu Met
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<210> 71
<211> 3929
<212> DNA
<213> Candida albicans

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<210> 72

<211> 1142

<212> PRT

<213> Candida albicans

<400> 72

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Val Gln Leu Ala Arg Asn Gly Ser Thr Gly Gln Glu Ala Ala Val Lys
 35            40            45

Val Ile Ser Lys Ala Val Phe Asn Thr Gly Asn Val Ser Gly Thr Ser
 50            55            60

Ile Val Gly Ser Thr Thr Pro Asp Ala Leu Pro Tyr Gly Ile Glu Arg
 65            70            75            80

Glu Ile Ile Ile Met Lys Leu Leu Asn His Pro Asn Val Leu Arg Leu
 85            90            95

Tyr Asp Val Trp Glu Thr Asn Thr Asp Leu Tyr Leu Val Leu Glu Tyr
100           105           110

Ala Glu Lys Gly Glu Leu Phe Asn Leu Leu Val Glu Arg Gly Pro Leu
115           120           125

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 Ser Tyr Cys His Ala Leu Gly Ile Val His Arg Asp Leu Lys Pro Glu
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 Asn Leu Leu Leu Asp His Lys Tyr Asn Ile Lys Ile Ala Asp Phe Gly
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 Met Ala Ala Leu Glu Thr Glu Gly Lys Leu Leu Glu Thr Ser Cys Gly
 180 185 190
 Ser Pro His Tyr Ala Ala Pro Glu Ile Val Ser Gly Ile Pro Tyr Gln
 195 200 205
 Gly Phe Ala Ser Asp Val Trp Ser Cys Gly Val Ile Leu Phe Ala Leu
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 225 230 235 240
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 675 680 685
 Ser Pro Val Glu Pro Lys Arg Thr Glu Asn Glu Arg Leu Thr Thr Glu
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<210> 73

<211> 1844

<212> DNA

<213> Candida albicans

<400> 73

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<210> 74

<211> 447

<212> PRT

<213> *Candida albicans*

<400> 74

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			20					25					30				
Pro	Thr	Thr	Ser	Pro	Trp	Lys	Ser	Ser	Ser	Pro	Asp	Ser	Asn	Thr	Val		
			35				40					45					
Ile	Pro	Val	Glu	Glu	Leu	Arg	Asp	Ile	Ser	Lys	Thr	Ala	Lys	Pro	Ser		
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Lys	Asn	Gly	Ser	Gly	Ser	Ile	Lys	Leu	Thr	Ser	Asn	Thr	Lys	Trp	Thr		
65					70				75						80		
Pro	Ile	Thr	Pro	Ser	Val	Ile	Ile	Ser	Gly	Ser	Lys	Asp	Thr	Asn	Ser		
				85					90					95			
Lys	Ser	Gly	Lys	Asn	Ser	Lys	Asn	Ser	Lys	Thr	Asn	Lys	Lys	Met	Lys		
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Gln	Thr	Asn	Ser	Thr	Ser	Glu	Ile	Ser	Asn	Val	Ser	Asn	Leu	Glu	Ser		
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<210> 76

<211> 517

<212> PRT

<213> Candida albicans

<400> 76

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      20              25              30

Ser Asp Leu Leu Val Leu Thr Glu Lys Lys Phe Lys Ser Phe Ile Glu
      35              40              45

Ser His Pro Leu Val Leu Val Glu Phe Phe Ala Pro Trp Cys Leu His
      50              55              60

Ser Gln Ile Leu Arg Pro His Leu Glu Glu Ala Ala Ser Ile Leu Lys
      65              70              75              80

Glu His Asn Val Pro Val Val Gln Ile Asp Cys Glu Ala Asn Ser Met
      85              90              95

Val Cys Leu Gln Gln Thr Ile Asn Thr Tyr Pro Thr Leu Lys Ile Phe
      100             105             110

Lys Asn Gly Arg Ile Phe Asp Gly Gln Val Tyr Arg Gly Val Lys Ile
      115             120             125

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 180 185 190
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 Thr Glu Pro Ile Leu Phe Asp Gly Asn Val Asp Ser Leu Val Gly Asn
 210 215 220
 Ser Val Ala Leu Thr Gln Trp Leu Lys Val Val Ile Leu Pro Tyr Phe
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 Val His Asp Glu Leu
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 <211> 908
 <212> DNA
 <213> Candida albicans

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 aacttggcgt tggcagagta attaaagggt gggatcaagg tgttgccggc atgtgcgttg 780
 gcgaaaaaag aaagctgcaa attccaaggt ctttggccta cggagaaaga ggtgtcccag 840
 gcgtcattcc tccaagtgtg gatttgggtg ttgatgtcga attggttagac gtgaaatcag 900
 ccgcctag 908

<210> 78
 <211> 135
 <212> PRT
 <213> Candida albicans

<400> 78
 Met Met Phe Asn Ile Tyr Leu Phe Val Thr Phe Phe Ser Thr Ile Leu
 1 5 10 15
 Ala Gly Ser Leu Ser Asp Leu Glu Ile Gly Ile Ile Lys Arg Ile Pro
 20 25 30
 Val Glu Asp Cys Leu Ile Lys Ala Met Pro Gly Asp Lys Val Lys Val

35	40	45
His Tyr Thr Gly Ser Leu Leu Glu Ser Gly Thr Val Phe Asp Ser Ser		
50	55	60
Tyr Ser Arg Gly Ser Pro Ile Ala Phe Glu Leu Gly Val Gly Arg Val		
65	70	75
Ile Lys Gly Trp Asp Gln Gly Val Ala Gly Met Cys Val Gly Glu Lys		
	85	90
Arg Lys Leu Gln Ile Pro Ser Ser Leu Ala Tyr Gly Glu Arg Gly Val		
	100	105
Pro Gly Val Ile Pro Pro Ser Ala Asp Leu Val Phe Asp Val Glu Leu		
	115	120
Val Asp Val Lys Ser Ala Ala		
	130	135

<210> 79
 <211> 1103
 <212> DNA
 <213> Candida albicans

<400> 79
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 aaacctgtgg cggtcaagac tgctagcaag atggatattt agatcataaa ttctaacgca 240
 tgcacacctga gcaatgaaat catgcaacct aacatttgag gttaatatat gagaattaac 300
 tagcggtgag gaggtactgc aattttaaag accgaagaat tatcgatgca aggaaaaatg 360
 ggtctaggat gaatacgagc aattgaaata catttggaat accttgtgaa aatatcacat 420
 actttcgcc tctatctcga tgcgttatta caagaaaata gttttactaa caaattaaca 480
 aaaattaaaa tagtgtaaaa atgggtattt ctcgatgattc tcgtcacaaa agatcagcca 540
 ctggtgctaa acgtgctcaa ttcagaaaga agagaaagtt cgaattaggt cgtcaaccag 600
 ccaacacaaa aattgggtgct aagagaatcc actctgtcag aactagaggt ggtaacaaga 660
 aatacagagc tctaagaatt gaaaccggta acttttcttg ggcttctgaa ggtatctcca 720
 agaagaccag aattgctggt gttgtttacc atccatccaa caatgaattg gttagaacta 780
 acactttgac caaggctgcc attgtccaaa ttgatgctac tccattcaga caatggttcg 840
 aagctcacta cgggtcaaacc ttgggtaaga agaagaacgt caaggaagaa gaaactggtg 900
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 gtcaatccgg tagatgtgat gggtacatct tggaagggtga agaattagct ttctaccta 1080
 gaagattgac tgctaagaaa tag 1103

<210> 80
 <211> 200
 <212> PRT
 <213> Candida albicans

<400> 80
 Met Gly Ile Ser Arg Asp Ser Arg His Lys Arg Ser Ala Thr Gly Ala
 1 5 10 15

Lys Arg Ala Gln Phe Arg Lys Lys Arg Lys Phe Glu Leu Gly Arg Gln
 20 25 30
 Pro Ala Asn Thr Lys Ile Gly Ala Lys Arg Ile His Ser Val Arg Thr
 35 40 45
 Arg Gly Gly Asn Lys Lys Tyr Arg Ala Leu Arg Ile Glu Thr Gly Asn
 50 55 60
 Phe Ser Trp Ala Ser Glu Gly Ile Ser Lys Lys Thr Arg Ile Ala Gly
 65 70 75 80
 Val Val Tyr His Pro Ser Asn Asn Glu Leu Val Arg Thr Asn Thr Leu
 85 90 95
 Thr Lys Ala Ala Ile Val Gln Ile Asp Ala Thr Pro Phe Arg Gln Trp
 100 105 110
 Phe Glu Ala His Tyr Gly Gln Thr Leu Gly Lys Lys Lys Asn Val Lys
 115 120 125
 Glu Glu Glu Thr Val Ala Lys Ser Lys Asn Ala Glu Arg Lys Trp Ala
 130 135 140
 Ala Arg Ala Ala Ser Ala Lys Ile Glu Ser Ser Val Glu Ser Gln Phe
 145 150 155 160
 Ser Ala Gly Arg Leu Tyr Ala Cys Ile Ser Ser Arg Pro Gly Gln Ser
 165 170 175
 Gly Arg Cys Asp Gly Tyr Ile Leu Glu Gly Glu Glu Leu Ala Phe Tyr
 180 185 190
 Leu Arg Arg Leu Thr Ala Lys Lys
 195 200

<210> 81

<211> 1265

<212> DNA

<213> Candida albicans

<400> 81

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ggatttccga gacatcggtg gcatttgggc ccgtcgaatt aaatcttttg gcctgaaaag 180
agatccatga cggatggggc cggggcaata ctatggttcg agcggtggcc agtctggaag 240
aggcagcaaa ccttgacgtg acgagtcgag aggtgagttt gaacatcgtc ggggaggtta 300
ttctgtggct ccgcttgtag gtgaacagat acgtatagag ggcgagccac tggttaaatt 360
tttcatggct cggattactt ccgtactgct ggctaaaatc gaaatctcgg cctgctgaga 420
gtgttttgag caatcaaggg aacatctgaa cgtggaagag cagacgaggc attagctcga 480
acataagaac ggaacacgtc atgttgacta tcacgaaaag actggtgacc accgatgtgc 540
ggtcgcgaat actgttaagc agtttaaagc ggaaaatgtc cgatgcactg gcgctgctgc 600
gtcagcagca gcagaccagc gtggatgtgg agctgctgca cacgatgcta gcgcgagccg 660
ctgcgcttgc ccatgccgac actatagcat acatgtggta tcagcatgtg atgccacgcc 720

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ggttgccagt agagggccgc ctgctatgtg aaatggctgg cgtagcattg taccaggaca 780
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ccagcccaga agatgaactg attgagtatg agcttagacg gattaaagtc gaagcgtttg 900
cgcggtggcac aatgcactcc acggcgctca gggaaaagtg gaaggtattc ttgcaggaga 960
tggtatcgct accagggcag ccgccattaa ggctgcgcga cttcccgcga atgaccaagg 1020
ctatgggcat agcattgatg cagcaagatg agcaagcagc tgccctggcg ttgtttggac 1080
gacagcccct agtgataaag aacgaatggc cactaccgct actactggct ggtgtccttt 1140
ggcatgttcc cggcccagcg caggcgcgac gtgtgctggc ggagttccgt caaagttatc 1200
gcgggctgcc gctgctggat gccgaactag tgataaagag aagaggattt gaaatcaaca 1260
cataa                                     1265

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<210> 82

<211> 254

<212> PRT

<213> Candida albicans

<400> 82

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Met Leu Thr Ile Thr Lys Arg Leu Val Thr Thr Asp Val Arg Ser Arg
  1              5              10              15

Ile Leu Leu Ser Ser Leu Asn Gly Lys Met Ser Asp Ala Leu Ala Leu
      20              25              30

Leu Arg Gln Gln Gln Thr Ser Val Asp Val Glu Leu Leu His Thr
      35              40              45

Met Leu Ala Arg Ala Ala Ala Leu Ala His Ala Asp Thr Ile Ala Tyr
      50              55              60

Met Trp Tyr Gln His Val Met Pro Arg Arg Leu Pro Val Glu Gly Arg
      65              70              75              80

Leu Leu Cys Glu Met Ala Gly Val Ala Leu Tyr Gln Asp Arg Leu Phe
      85              90              95

Leu Pro Ala Gln Phe Leu Gln His Tyr Gln Ala Met Asn Arg Asp Arg
      100             105             110

Arg Thr Ser Pro Glu Asp Glu Leu Ile Glu Tyr Glu Leu Arg Arg Ile
      115             120             125

Lys Val Glu Ala Phe Ala Arg Gly Thr Met His Ser Thr Ala Leu Arg
      130             135             140

Glu Lys Trp Lys Val Phe Leu Gln Glu Met Asp Thr Leu Pro Gly Gln
      145             150             155             160

Pro Pro Leu Arg Leu Arg Asp Phe Pro Gln Met Thr Lys Ala Met Gly
      165             170             175

Ile Ala Leu Met Gln Gln Asp Glu Gln Ala Ala Ala Leu Ala Leu Phe
      180             185             190

Gly Arg Gln Pro Leu Val Ile Lys Asn Glu Trp Ser Leu Pro Leu Leu
      195             200             205

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Leu Ala Gly Val Leu Trp His Val Pro Gly Pro Ala Gln Ala Arg Arg
 210 215 220

Val Leu Ala Glu Phe Arg Gln Ser Tyr Arg Gly Leu Pro Leu Leu Asp
 225 230 235 240

Ala Glu Leu Val Ile Lys Arg Arg Gly Phe Glu Ile Asn Thr
 245 250

<210> 83
 <211> 830
 <212> DNA
 <213> Candida albicans

<400> 83
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 aagaggggaa aaggaaaagg aaaaggaaaa ggaaggaaaa aaaccattg acgtagaaat 180
 tgaagaagg aaaggtatac gcaagcatta atacaacca caaacacaga ccagaagcac 240
 tctagacgga gagtaactag atctacagcc cctggaaaat cgtttggtca actttgaggt 300
 tccggtcgtc cccctcttga tctgaaagggt ctttctctaa atctatatta aaacgtataa 360
 ataggacggt gaattgcgtt ctacttcctc aattgcgttt gatcttattt aatctctctc 420
 taatatatag aaaaaaaaaac catctgatta ttcgataatc tcaaacaaac aactcaaaac 480
 aaaaaaaact aaatacaaca atgtctgacg caggtagaaa aggattcggg gaaaaagctt 540
 ctgaagcttt gaagccagac tctcaaaagt catacgctga acaaggtaag gaatacatca 600
 ctgacaaggc cgacaaggtc gctggtaagg ttcaaccaga agacaacaag ggtgtcttcc 660
 aagggtgtcca cgactctgcc gaaaaaggca aggataacgc tgaagggtcaa ggtgaatctt 720
 tggcagacca agctagagat tacatgggag cgcgaagtc caagttgaac gatgccgtcg 780
 aatatgtttc cggtcgtgtc cacggtgaag aagaccaaac caagaagtaa 830

<210> 84
 <211> 109
 <212> PRT
 <213> Candida albicans

<400> 84
 Met Ser Asp Ala Gly Arg Lys Gly Phe Gly Glu Lys Ala Ser Glu Ala
 1 5 10 15
 Leu Lys Pro Asp Ser Gln Lys Ser Tyr Ala Glu Gln Gly Lys Glu Tyr
 20 25 30
 Ile Thr Asp Lys Ala Asp Lys Val Ala Gly Lys Val Gln Pro Glu Asp
 35 40 45
 Asn Lys Gly Val Phe Gln Gly Val His Asp Ser Ala Glu Lys Gly Lys
 50 55 60
 Asp Asn Ala Glu Gly Gln Gly Glu Ser Leu Ala Asp Gln Ala Arg Asp
 65 70 75 80
 Tyr Met Gly Ala Ala Lys Ser Lys Leu Asn Asp Ala Val Glu Tyr Val
 85 90 95

Ser Gly Arg Val His Gly Glu Glu Asp Pro Thr Lys Lys
 100 105

<210> 85
 <211> 995
 <212> DNA
 <213> Candida albicans

<400> 85
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 taccttggtc agcgtatgac ttttgagagt ctggcttcaa agcttcagaa gctttttcac 180
 cgaatccttt tctacctgcg tcagacattg ttgtatttag ttttttttgt tttgagttgt 240
 ttgtttgaga ttatcgaata atcagatggg ttttttttct atatattaga gagagattaa 300
 ataagatcaa acgcaattga ggaagtagaa cgcaattcac cgtcctatatt atacgtttta 360
 atatagattt agagaaaagac ctttcagatc aagaggggga cgaccggaac ctcaaagttg 420
 accaaacgat tttccagggg ctgtagatct agttactctc cgtctagagt gcttctgggc 480
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 ccaaggcccc gtcaacacgt cgtcattgct accgccagct ggcaccaca catcaccgac 780
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 tttctgtgta tcaagaggaa aagaaggaga aaaggagaac tccgaaaaat accgaacaag 960
 agggtaacag aatgtgcatt tggatgagcg ggttaa 995

<210> 86
 <211> 164
 <212> PRT
 <213> Candida albicans

<400> 86
 Met Leu Ala Tyr Thr Phe Pro Ser Phe Asn Phe Tyr Val Asn Gly Phe
 1 5 10 15
 Phe Ser Phe Leu Phe Leu Phe Leu Phe Leu Phe Pro Ser Leu Leu Arg
 20 25 30
 Phe Tyr Val Ile Leu Cys Arg Pro Leu Gln Val Ala Thr Tyr Pro Leu
 35 40 45
 Asn Arg Cys Gln Gln Tyr Ser Ser Leu Ala Ile Phe Thr Ala Ser Gly
 50 55 60
 Phe Trp Leu Leu Val Leu Val Pro Arg Ala Lys Gly Pro Ser Thr Arg
 65 70 75 80
 Arg His Cys Tyr Arg Gln Leu Ala Pro Thr His His Arg Pro Phe Phe
 85 90 95
 Ser Ile Phe Gly Trp Ala Val Ser Gly Ile Arg Pro Leu Pro Glu Ile
 100 105 110

Phe Thr Trp Ile Cys Ala Ser Pro Phe Phe Leu His Ser Leu Thr Pro
 115 120 125

Pro Thr Phe Ser His Phe Ser Val Tyr Gln Glu Glu Lys Lys Glu Lys
 130 135 140

Arg Arg Thr Pro Lys Asn Thr Glu Gln Glu Gly Asn Arg Met Cys Ile
 145 150 155 160

Trp Met Ser Gly

<210> 87

<211> 2702

<212> DNA

<213> Candida albicans

<400> 87

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aatagaactc gcctaaaggg gaaattttcg atataaaaat tcaaaaaaat ggctttcatg 180
gatcgagtat ttgtttgtcg aaaaaggatc actggagtga cgttactacg ctacgaagcc 240
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ctcagagtgc tcttggtccc aatagtggct ctgtgccagg agtacatagt aacgtatcac 2220

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<210> 88

<211> 733

<212> PRT

<213> Candida albicans

<400> 88

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Met Gly Phe Ser Ser Gly Lys Ser Thr Lys Lys Lys Pro Leu Leu Phe
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Asp Ile Arg Leu Lys Asn Val Asp Asn Asp Val Ile Leu Leu Lys Gly
          20              25              30

Pro Pro Asn Glu Ala Pro Ser Val Leu Leu Ser Gly Cys Ile Val Leu
      35              40              45

Ser Ile Asn Glu Pro Met Gln Ile Lys Ser Ile Ser Leu Arg Leu Tyr
  50              55              60

Gly Lys Ile Gln Ile Asp Val Pro Leu Glu Arg Pro Gln Asp Ala Ser
  65              70              75              80

Ser Ser Ser Leu Ser Ser Ser Pro Pro Lys Ile Arg Lys Tyr Asn Lys
          85              90              95

Val Phe Tyr Asn Tyr Ala Trp Asp Asn Val Asn Leu Lys Glu Tyr Leu
      100              105              110

Ser Gly Leu Arg Gly Gln Ser Gly Leu Ala Gly Ser Ser Ser Ser Ser
      115              120              125

Asn Ile Leu Gly Thr Arg Gln Arg Ala Gln Ser Thr Ser Ser Leu Lys
      130              135              140

Ser Leu Lys Gly Ser Ser Ser Pro Ser Ser Cys Thr Leu Asp Lys Gly
      145              150              155              160

Asn Tyr Asp Phe Pro Phe Ser Ala Ile Leu Pro Gly Ser Leu Pro Glu
          165              170              175

Ser Val Glu Ser Leu Pro Asn Cys Phe Val Thr Tyr Ser Met Glu Ser
      180              185              190

Val Ile Glu Arg Ser Lys Asn Tyr Ser Asp Leu Ile Cys Arg Lys Asn
      195              200              205

Ile Arg Val Leu Arg Thr Ile Ser Pro Ala Ala Val Glu Leu Ser Glu

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210	215	220
Thr Val Cys Val Asp Asn Ser Trp Pro Asp Lys Val Asp Tyr Ser Ile 225 230 235 240		
Ser Val Pro Asn Lys Ala Val Ala Ile Gly Ser Ala Thr Pro Ile Asn 245 250 255		
Ile Ser Ile Val Pro Leu Ser Lys Gly Leu Lys Leu Gly Ser Ile Lys 260 265 270		
Val Val Leu Phe Glu Asn Tyr Gln Tyr Cys Asp Pro Phe Pro Pro Val 275 280 285		
Ile Ser Glu Asn Arg Gln Val Thr Glu Leu Asn Leu Glu Asp Pro Leu 290 295 300		
Asn Glu Ser Ser Gly Glu Phe Asn Gly Asn Gly Cys Phe Val Asn Asn 305 310 315 320		
Pro Phe Phe Gln Pro Asp His Ser Phe Gln Asp Lys Trp Glu Ile Asp 325 330 335		
Thr Ile Leu Gln Ile Pro Asn Ser Leu Ser Asn Cys Val Gln Asp Cys 340 345 350		
Asp Val Arg Ser Asn Ile Lys Val Arg His Lys Leu Lys Phe Phe Ile 355 360 365		
Ile Leu Ile Asn Pro Asp Gly His Lys Ser Glu Leu Arg Ala Ser Leu 370 375 380		
Pro Ile Gln Leu Phe Ile Ser Pro Phe Val Ala Leu Ser Ile Lys Pro 385 390 395 400		
Leu Ser Ser Ser Asn Leu Tyr Ser Leu Phe Ser Thr Thr Asn Gln Lys 405 410 415		
Asp Glu Asn Ser Ser Gln Glu Glu Glu Glu Glu Tyr Leu Phe Ser Arg 420 425 430		
Ser Ala Ser Val Thr Gly Leu Glu Leu Leu Ala Asp Met Arg Ser Gly 435 440 445		
Gly Ser Val Pro Thr Ile Ser Asp Leu Met Thr Pro Pro Asn Tyr Glu 450 455 460		
Met His Val Tyr Asp Arg Leu Tyr Ser Gly Ser Phe Thr Arg Thr Ala 465 470 475 480		
Val Glu Thr Ser Gly Thr Cys Thr Pro Leu Gly Ser Glu Cys Ser Thr 485 490 495		
Val Glu Asp Gln Gln Gln Asp Leu Glu Asp Leu Arg Ile Arg Leu Thr 500 505 510		
Lys Ile Arg Asn Gln Arg Asp Asn Leu Gly Leu Pro Pro Ser Ala Ser		

515	520	525
Ser Ala Ala Ala Ser Arg Ser Leu Ser Pro Leu Leu Asn Val Pro Ala 530 535 540		
Pro Glu Asp Gly Thr Glu Arg Ile Leu Pro Gln Ser Ala Leu Gly Pro 545 550 555 560		
Asn Ser Gly Ser Val Pro Gly Val His Ser Asn Val Ser Pro Val Leu 565 570 575		
Leu Ser Arg Ser Pro Ala Pro Ser Val Ser Ala His Glu Val Leu Pro 580 585 590		
Val Pro Ser Gly Leu Asn Tyr Pro Glu Thr Gln Asn Leu Asn Lys Val 595 600 605		
Pro Ser Tyr Gly Lys Ala Met Lys Tyr Asp Ile Ile Gly Glu Asp Leu 610 615 620		
Pro Pro Ser Tyr Pro Cys Ala Ile Gln Asn Val Gln Pro Arg Lys Pro 625 630 635 640		
Ser Arg Val His Ser Arg Asn Ser Ser Thr Thr Leu Ser Ser Ser Ile 645 650 655		
Pro Thr Ser Phe His Ser Ser Ser Phe Met Ser Ser Thr Ala Ser Pro 660 665 670		
Ile Ser Ile Ile Asn Gly Ser Arg Ser Ser Ser Ser Gly Val Ser Leu 675 680 685		
Asn Thr Leu Asn Glu Leu Thr Ser Lys Thr Ser Asn Asn Pro Ser Ser 690 695 700		
Asn Ser Met Lys Arg Ser Pro Thr Arg Arg Arg Ala Thr Ser Leu Ala 705 710 715 720		
Gly Phe Met Gly Gly Phe Leu Ser Lys Gly Asn Lys Arg 725 730		

<210> 89

<211> 1259

<212> DNA

<213> Candida albicans

<400> 89

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tggatcaaaa cgttcttagg attgtggtgg taaaacttgt aaaatccaag ctgagatctt 180
aaatccagca aaccttcgcc catatttatt cttttataac agaagaagag actatatctt 240
caaaacctcg tatattttata tacatatcct ccaaacaaac tcccaagttt cactttcctg 300
gatttacctt ggcattcctt ttccccatcc tcttataatg gtaatcgaga tccttaatta 360
tgatatcaca atagacgaag ggcacacacc aatttgccac cgtaaggata gagtaagtta 420
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 gcgatgtatt ggctaagaga atggctaacc tttcccaa atatactcaa agagcatata 900
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<210> 90

<211> 252

<212> PRT

<213> *Candida albicans*

<400> 90

Met	Ser	Gly	Ala	Ala	Ala	Ala	Ser	Ala	Ala	Gly	Tyr	Asp	Arg	His	Ile	1	5	10	15
Thr	Ile	Phe	Ser	Pro	Glu	Gly	Arg	Leu	Tyr	Gln	Val	Glu	Tyr	Ala	Phe	20	25	30	
Lys	Ala	Thr	Asn	Gln	Thr	Asn	Ile	Asn	Ser	Leu	Ala	Val	Arg	Gly	Lys	35	40	45	
Asp	Cys	Thr	Val	Val	Ile	Ser	Gln	Lys	Lys	Val	Pro	Asp	Lys	Leu	Leu	50	55	60	
Asp	Pro	Thr	Thr	Val	Ser	Tyr	Ile	Phe	Cys	Ile	Ser	Arg	Thr	Ile	Gly	65	70	75	80
Met	Val	Val	Asn	Gly	Pro	Ile	Pro	Asp	Ala	Arg	Asn	Ala	Ala	Leu	Arg	85	90	95	
Ala	Lys	Ala	Glu	Ala	Ala	Glu	Phe	Arg	Tyr	Lys	Tyr	Gly	Tyr	Asp	Met	100	105	110	
Pro	Cys	Asp	Val	Leu	Ala	Lys	Arg	Met	Ala	Asn	Leu	Ser	Gln	Ile	Tyr	115	120	125	
Thr	Gln	Arg	Ala	Tyr	Met	Arg	Pro	Leu	Gly	Val	Ile	Leu	Thr	Phe	Val	130	135	140	
Ser	Val	Asp	Glu	Glu	Leu	Gly	Pro	Ser	Ile	Tyr	Lys	Thr	Asp	Pro	Ala	145	150	155	160
Gly	Tyr	Tyr	Val	Gly	Tyr	Lys	Ala	Thr	Ala	Thr	Gly	Pro	Lys	Gln	Gln	165	170	175	
Glu	Ile	Thr	Thr	Asn	Leu	Glu	Asn	His	Phe	Lys	Lys	Ser	Lys	Ile	Asp	180	185	190	

His Ile Asn Glu Glu Ser Trp Glu Lys Val Val Glu Phe Ala Ile Thr
 195 200 205

His Met Ile Asp Ala Leu Gly Thr Glu Phe Ser Lys Asn Asp Leu Glu
 210 215 220

Val Gly Val Ala Thr Lys Asp Lys Phe Phe Thr Leu Ser Ala Glu Asn
 225 230 235 240

Ile Glu Glu Arg Leu Val Ala Ile Ala Glu Gln Asp
 245 250

<210> 91

<211> 968

<212> DNA

<213> Candida albicans

<400> 91

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 tacaattttg cgaacgcctg aacaaccatg cggattacca ttattttatat tgacaagatg 420
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 ccaaactctgc ctctttgttc aagcaaagaa agaacccaag aagaatcgct tggactgtct 660
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 ctcgttaa 968

<210> 92

<211> 155

<212> PRT

<213> Candida albicans

<400> 92

Met Lys Val Glu Ile Asp Ser Phe Ser Gly Ala Lys Ile Tyr Pro Gly
 1 5 10 15

Arg Gly Thr Leu Phe Val Arg Gly Asp Ser Lys Ile Phe Arg Phe Gln
 20 25 30

Asn Ser Lys Ser Ala Ser Leu Phe Lys Gln Arg Lys Asn Pro Arg Arg
 35 40 45

Ile Ala Trp Thr Val Leu Phe Arg Lys His His Lys Lys Gly Ile Thr
 50 55 60

99

Glu Glu Val Ala Lys Lys Arg Ser Arg Lys Thr Val Lys Ala Gln Arg
 65 70 75 80
 Pro Ile Thr Gly Ala Ser Leu Asp Leu Ile Lys Glu Arg Arg Ser Leu
 85 90 95
 Lys Pro Glu Val Arg Lys Ala Asn Arg Glu Glu Lys Leu Lys Ala Asn
 100 105 110
 Lys Glu Lys Lys Lys Ala Glu Lys Ala Ala Arg Lys Ala Glu Lys Ala
 115 120 125
 Lys Ser Ala Gly Thr Gln Ser Ser Lys Phe Ser Lys Gln Gln Ala Lys
 130 135 140
 Gly Ala Phe Gln Lys Val Ala Ala Thr Ser Arg
 145 150 155

<210> 93
 <211> 764
 <212> DNA
 <213> Candida albicans

<400> 93
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 ctgtttcata ccttcagatc caatatactg aatatcaggc aattgatttc ccttgtaaatt 360
 atacaatata aatagttgta agaagaggtg atatgttaag tttccatttt gacgtattcc 420
 tcattctaga atgattgtaa gctctcaaca gtcacttggtg tgccaaaata ttataacctac 480
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 aatcgacgcc gtactctttg tcaacgacta ctattttggc caacgggaag gcaatgcaag 660
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<210> 94
 <211> 87
 <212> PRT
 <213> Candida albicans

<400> 94
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 1 5 10 15
 Leu Ala Gln Glu Leu Thr Thr Ile Cys Glu Gln Ile Pro Ser Pro Thr
 20 25 30
 Leu Glu Ser Thr Pro Tyr Ser Leu Ser Thr Thr Thr Ile Leu Ala Asn
 35 40 45
 Gly Lys Ala Met Gln Gly Val Phe Glu Tyr Tyr Lys Ser Val Thr Phe

100

50

55

60

Val Ser Asn Cys Gly Ser His Pro Ser Thr Thr Ser Lys Gly Ser Pro
 65 70 75 80

Ile Asn Thr Gln Tyr Val Phe
 85

<210> 95

<211> 1430

<212> DNA

<213> Candida albicans

<400> 95

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gtaaagagaa gaaggtatct tactatcaat tgcaacaag atctgcggat gaaccattga 1380
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<210> 96

<211> 309

<212> PRT

<213> Candida albicans

<400> 96

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Lys Ser Asn Asp Ala Ala Val Leu Glu Ile Leu His Val Leu Asp Lys
  20 25 30
Glu Phe Val Pro Thr Glu Lys Leu Leu Arg Glu Thr Lys Val Gly Val
  35 40 45

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Glu Val Asn Lys Phe Lys Lys Ser Thr Asn Val Glu Ile Ser Lys Leu
 50 55 60
 Val Lys Lys Met Ile Ser Ser Trp Lys Asp Ala Ile Asn Lys Asn Lys
 65 70 75 80
 Arg Ser Arg Gln Ala Gln Gln His His Gln Asp His Ala Pro Gly Asn
 85 90 95
 Ala Glu Asp Lys Thr Thr Val Gly Glu Ser Val Asn Gly Val Gln Gln
 100 105 110
 Pro Ala Ser Ser Gln Ser Asp Ala Met Lys Gln Asp Lys Tyr Val Ser
 115 120 125
 Thr Lys Pro Arg Asn Ser Lys Asn Asp Gly Val Asp Thr Ala Ile Tyr
 130 135 140
 His His Lys Leu Arg Asp Gln Val Leu Lys Ala Leu Tyr Asp Val Leu
 145 150 155 160
 Ala Lys Glu Ser Glu His Pro Pro Gln Ser Ile Leu His Thr Ala Lys
 165 170 175
 Ala Ile Glu Ser Glu Met Asn Lys Val Asn Asn Cys Asp Thr Asn Glu
 180 185 190
 Ala Ala Tyr Lys Ala Arg Tyr Arg Ile Ile Tyr Ser Asn Val Ile Ser
 195 200 205
 Lys Asn Asn Pro Asp Leu Lys His Lys Ile Ala Asn Gly Asp Ile Thr
 210 215 220
 Pro Glu Phe Leu Ala Thr Cys Asp Ala Lys Asp Leu Ala Pro Ala Pro
 225 230 235 240
 Leu Lys Gln Lys Ile Glu Glu Ile Ala Lys Gln Asn Leu Tyr Asn Ala
 245 250 255
 Gln Gly Ala Thr Ile Glu Arg Ser Val Thr Asp Arg Phe Thr Cys Gly
 260 265 270
 Lys Cys Lys Glu Lys Lys Val Ser Tyr Tyr Gln Leu Gln Thr Arg Ser
 275 280 285
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 Arg Trp Lys Phe Ser
 305

<210> 97

<211> 929

<212> DNA

<213> Candida albicans

<400> 97

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<210> 98

<211> 142

<212> PRT

<213> *Candida albicans*

<400> 98

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Met Arg Leu Ser Asp Gln Phe Asn Asn Thr Thr Ser Ser Ser Asp Phe
 1             5             10             15

Phe Phe Ser Gln Leu Gly Asp Glu Ser Ser Phe Asp Asp Asn Trp Asn
      20             25             30

Ile Trp Asn Ser Thr Leu Thr Gln Asp Leu Thr Val Thr Gly Cys Gln
      35             40             45

Ser Val Asn Asn Trp Ser Ser Phe Leu Arg Ser Arg Phe Gln Val Leu
      50             55             60

Val Ser Leu Val Phe Trp Asp Gln Cys Pro Gln Phe Val Gln Val Gln
      65             70             75             80

Asp Trp Leu Pro Glu Met Ser Leu Leu Leu Val Glu Val Ser His Thr
      85             90             95

Asn Leu Thr Glu Ile Thr Trp Met Val Phe Ile His Val Asn Ser Val
      100            105            110

Val Met Leu Thr Thr Gly His Thr Ser Thr Thr Gly Val Leu Ser Val
      115            120            125

Leu Thr Asp Thr Thr Phe Thr Gly Cys Thr Lys Lys Ile Leu
      130            135            140

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<210> 99

<211> 1461

<212> DNA

<213> *Candida albicans*

<400> 99

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aattgaaatc tacgatactt gatgttgaca ttatagcact agttcccagg aaaccctttc 180
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1461

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<210> 100

<211> 149

<212> PRT

<213> *Candida albicans*

<400> 100

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Met Pro Ser Arg Phe Thr Lys Thr Arg Lys His Arg Gly His Val Ser
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 20             25             . 30

Gly Met Ala Gly Gly Gln His His His Arg Ile Asn Met Asp Lys Tyr
 35             40             45

His Pro Gly Tyr Phe Gly Lys Val Gly Met Arg Tyr Phe His Lys Gln
 50             55             60

Gln Ala His Phe Trp Lys Pro Val Leu Asn Leu Asp Lys Leu Trp Thr
 65             70             75             80

Leu Ile Pro Glu Asp Lys Arg Asp Gln Tyr Leu Lys Ser Ala Ser Lys
 85             90             95

Glu Thr Ala Pro Val Ile Asp Thr Leu Ala Ala Gly Tyr Gly Lys Ile
100             105             110

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Leu Gly Lys Gly Arg Ile Pro Asn Val Pro Val Ile Val Lys Ala Arg
 115 120 125

Phe Val Ser Lys Leu Ala Glu Glu Lys Ile Arg Ala Ala Gly Gly Val
 130 135 140

Val Glu Leu Ile Ala
 145

<210> 101
 <211> 1880
 <212> DNA
 <213> Candida albicans

<400> 101
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<210> 102
 <211> 459
 <212> PRT
 <213> Candida albicans

105

<400> 102

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Ile	Gln	Pro	Gly	Asn	Val	Thr	Gln	Asp	Leu	Lys	Met	Met	Val	Cys	Lys
			20					25					30		
Leu	Leu	Asn	Ser	Pro	Lys	Pro	Thr	Lys	Thr	Phe	Pro	Gly	Ser	Gln	Pro
		35					40					45			
Val	Ser	Phe	Gln	His	Ser	Asp	Val	Glu	Glu	Lys	Leu	Leu	Ala	His	Asp
	50					55					60				
Tyr	Tyr	Val	Cys	Glu	Lys	Thr	Asp	Gly	Leu	Arg	Val	Leu	Met	Phe	Ile
65					70					75					80
Val	Ile	Asn	Pro	Val	Thr	Gly	Glu	Gln	Gly	Cys	Phe	Met	Ile	Asp	Arg
				85					90					95	
Glu	Asn	Asn	Tyr	Tyr	Leu	Val	Asn	Gly	Phe	Arg	Phe	Pro	Arg	Leu	Pro
			100					105					110		
Gln	Lys	Lys	Lys	Glu	Glu	Leu	Leu	Glu	Thr	Leu	Gln	Asp	Gly	Thr	Leu
		115					120					125			
Leu	Asp	Gly	Glu	Leu	Val	Ile	Gln	Thr	Asn	Pro	Met	Thr	Lys	Leu	Gln
	130					135					140				
Glu	Leu	Arg	Tyr	Leu	Met	Phe	Asp	Cys	Leu	Ala	Ile	Asn	Gly	Arg	Cys
145					150					155					160
Leu	Thr	Gln	Ser	Pro	Thr	Ser	Ser	Arg	Leu	Ala	His	Leu	Gly	Lys	Glu
				165					170					175	
Phe	Phe	Lys	Pro	Tyr	Phe	Asp	Leu	Arg	Ala	Ala	Tyr	Pro	Asn	Arg	Cys
			180					185					190		
Thr	Thr	Phe	Pro	Phe	Lys	Ile	Ser	Met	Lys	His	Met	Asp	Phe	Ser	Tyr
		195					200					205			
Gln	Leu	Val	Lys	Val	Ala	Lys	Ser	Leu	Asp	Lys	Leu	Pro	His	Leu	Ser
	210					215					220				
Asp	Gly	Leu	Ile	Phe	Thr	Pro	Val	Lys	Ala	Pro	Tyr	Thr	Ala	Gly	Gly
225					230					235					240
Lys	Asp	Ser	Leu	Leu	Leu	Lys	Trp	Lys	Pro	Glu	Gln	Glu	Asn	Thr	Val
			245						250				255		
Asp	Phe	Lys	Leu	Ile	Leu	Asp	Ile	Pro	Met	Val	Glu	Asp	Pro	Ser	Leu
			260					265					270		
Pro	Lys	Asp	Asp	Arg	Asn	Arg	Trp	Tyr	Tyr	Asn	Tyr	Asp	Val	Lys	Pro
		275					280					285			
Val	Phe	Ser	Leu	Tyr	Val	Trp	Gln	Gly	Gly	Ala	Asp	Val	Asn	Ser	Arg
	290					295					300				

Leu Lys His Phe Asp Gln Pro Phe Asp Arg Lys Glu Phe Glu Ile Leu
 305 310 315 320
 Glu Arg Thr Tyr Arg Lys Phe Ala Glu Leu Ser Val Ser Asp Glu Glu
 325 330 335
 Trp Gln Asn Leu Lys Asn Leu Glu Gln Pro Leu Asn Gly Arg Ile Val
 340 345 350
 Glu Cys Ala Lys Asn Gln Glu Thr Gly Ala Trp Glu Met Leu Arg Phe
 355 360 365
 Arg Asp Asp Lys Leu Asn Gly Asn His Thr Ser Val Val Gln Lys Val
 370 375 380
 Leu Glu Ser Ile Asn Asp Ser Val Ser Leu Glu Asp Leu Glu Glu Ile
 385 390 395 400
 Val Gly Asp Ile Lys Arg Cys Trp Asp Glu Arg Arg Ala Asn Met Ala
 405 410 415
 Gly Gly Ser Gly Arg Pro Leu Pro Ser Gln Ser Gln Asn Ala Thr Leu
 420 425 430
 Ser Thr Ser Lys Pro Val His Ser Gln Pro Pro Ser Asn Asp Lys Glu
 435 440 445
 Pro Lys Tyr Val Asp Glu Asp Asp Trp Ser Asp
 450 455

<210> 103
 <211> 1076
 <212> DNA
 <213> Candida albicans

<400> 103
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 gaaaaaattg tactgatgct aattttgggtg tcgttcttct tttttatttt gtaagactgt 180
 tttccagaaa tgtttggggtt tatttttttaa ttttttgaaa catttttttc atcctttctc 240
 attttgtcat ttcatTTTTt tgtggaaaat ttactgacg cgaagaagcg atgaaatttc 300
 caacatcctc ccatcatccc aatattggca tacacacaca tgcagcacag cggaactgcg 360
 gaggtcagag gcaatgtggc agagacgctg gcgcgcctgt attgtataat agtatatttt 420
 aacttcaatt caattttttg atattaaatt agtgtgtaaa aagcttctga aatcaagaag 480
 cccgtaccag aagttcaatc atgaaatata tccaaactga acaacaaatc gaagtcccag 540
 aaggtgtcac tgtcagcatc aagtccagaa tcgtcaaggt tgttggtcca agaggactt 600
 tgaccaagaa cttgaagcac attgatgtta ccttcaccaa ggtcaacaac caattgatca 660
 aggttgctgt gcacaacggt ggcagaaaagc acgttgctgc tttgagaacc gtcaagtctt 720
 tgggtgacaa catgatcact ggtgtcacca aggggttaca gtacaagatg agatacgtct 780
 acgcgcattt cccaatcaac gtcaacattg ttgaaaagga tgggtgcaaa ttcattgaag 840
 tcagaaactt tttgggtgac aagaagatca gaaacggtcc agttagagat ggtgttacta 900
 tcgaattttc caccaacggt aaggacgaaa ttgtcttgtc aggtaactct gtcgaagacg 960
 tttcccaaaa cgctgctgac ttgcaacaaa tctgtcgtgt cagaaacaag gatatccgta 1020
 aatttttgga cggtatctac gtttctcaca aggggttttat tactgaagat ttataa 1076

107

<210> 104
 <211> 191
 <212> PRT
 <213> Candida albicans

<400> 104
 Met Lys Tyr Ile Gln Thr Glu Gln Gln Ile Glu Val Pro Glu Gly Val
 1 5 10 15
 Thr Val Ser Ile Lys Ser Arg Ile Val Lys Val Val Gly Pro Arg Gly
 20 25 30
 Thr Leu Thr Lys Asn Leu Lys His Ile Asp Val Thr Phe Thr Lys Val
 35 40 45
 Asn Asn Gln Leu Ile Lys Val Ala Val His Asn Gly Gly Arg Lys His
 50 55 60
 Val Ala Ala Leu Arg Thr Val Lys Ser Leu Val Asp Asn Met Ile Thr
 65 70 75 80
 Gly Val Thr Lys Gly Tyr Lys Tyr Lys Met Arg Tyr Val Tyr Ala His
 85 90 95
 Phe Pro Ile Asn Val Asn Ile Val Glu Lys Asp Gly Ala Lys Phe Ile
 100 105 110
 Glu Val Arg Asn Phe Leu Gly Asp Lys Lys Ile Arg Asn Val Pro Val
 115 120 125
 Arg Asp Gly Val Thr Ile Glu Phe Ser Thr Asn Val Lys Asp Glu Ile
 130 135 140
 Val Leu Ser Gly Asn Ser Val Glu Asp Val Ser Gln Asn Ala Ala Asp
 145 150 155 160
 Leu Gln Gln Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu
 165 170 175
 Asp Gly Ile Tyr Val Ser His Lys Gly Phe Ile Thr Glu Asp Leu
 180 185 190

<210> 105
 <211> 1694
 <212> DNA
 <213> Candida albicans

<400> 105
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 cgatcatttc cggatcatca tatcttcttt gccacctcct gtccaatatac ccgggctttt 120
 caggggaagtc atatgggatg gtgcttccta catctctctc caatcgtgtc ttcagtttcc 180
 aaaactcgga ataccttttg taaaggcgct tgtttggtgt actaacaccg tataaaacat 240
 acttgggggtt gattttaaca tcgtccacct tgattcttaa cttttcactc attttccta 300

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cagaattagc tgccatcaat atcaattatc aacccttata tgactttatt gtttttgttt 360
ttgttggtta attaatgat acaaatcttt aggcgaaaaa taataagtaaa 420
gaaggaaaaa ttaggcgata ttaaaacaaa tctaaaataa agacaagaaa cgaaaaagag 480
gttaatcaag tattggaaaa atgtccaaag tgtttattgc cacagcaaag gcaggtaaaag 540
ctcatgacgc tgatattttc tcggtttctg cttgcaattc atttacggta agttgttcag 600
gtgacggtta cttaaagggt tgggataata agctgttaga taatgaaaat ccaaagata 660
agtcattatc tcactttgtc cataagtcgc gattgcacca tgtcgatgtc ttgcaagcta 720
ttgagagaga tgcatttgaa ttatgccttg ttgctaccac ttcattttct ggcgatttac 780
tcttctatcg tatcactaga gaagatgaga ctaaaaaagt tatattcgag aaattggatc 840
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acagactact ttcccatagg ctggttgcta cagacgtcaa agggaccact tacatttgga 960
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tatctacatt acgcccgttg tacaattttg aatctcagca ttctatgatt aataattcga 1200
attccatcag atcgggtgaaa ttttctcctc aaggatcctt attagccatt gtcacgatt 1260
caaattcatt tgggtgcatc actctatatg aaactgaatt tggtgaaaga ataggctcct 1320
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tcatgagtct atcgtttaat gattctgggt aaacattatg cagtgccgga tgggatggta 1440
aattgagatt ttgggatgta aaaacaaagg aaagaatcac tacattgaat atgcattgtg 1500
atgatattga aattgaagag gatattcttag ctggtgatga acatggagat tctttagctg 1560
aacctgggtg ctttgacgtg aagtttttga aaaaagggtg gagatctggt atgggagctg 1620
atttaaatga aagtttatgc tgtgtttgtt tagatagaag catcagggtg tttagagaag 1680
ctggcggtaa ataa 1694

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<210> 106

<211> 397

<212> PRT

<213> *Candida albicans*

<400> 106

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Met Ser Lys Val Phe Ile Ala Thr Ala Asn Ala Gly Lys Ala His Asp
 1             5             10             15

Ala Asp Ile Phe Ser Val Ser Ala Cys Asn Ser Phe Thr Val Ser Cys
      20             25             30

Ser Gly Asp Gly Tyr Leu Lys Val Trp Asp Asn Lys Leu Leu Asp Asn
      35             40             45

Glu Asn Pro Lys Asp Lys Ser Tyr Ser His Phe Val His Lys Ser Gly
      50             55             60

Leu His His Val Asp Val Leu Gln Ala Ile Glu Arg Asp Ala Phe Glu
      65             70             75             80

Leu Cys Leu Val Ala Thr Thr Ser Phe Ser Gly Asp Leu Leu Phe Tyr
      85             90             95

Arg Ile Thr Arg Glu Asp Glu Thr Lys Lys Val Ile Phe Glu Lys Leu
      100            105            110

Asp Leu Leu Asp Ser Asp Met Lys Lys His Ser Phe Trp Ala Leu Lys
      115            120            125

Trp Gly Ala Ser Asn Asp Arg Leu Leu Ser His Arg Leu Val Ala Thr

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130					135					140					
Asp	Val	Lys	Gly	Thr	Thr	Tyr	Ile	Trp	Lys	Phe	His	Pro	Phe	Ala	Asp
145					150					155					160
Glu	Ser	Asn	Ser	Leu	Thr	Leu	Asn	Trp	Ser	Pro	Thr	Leu	Glu	Leu	Gln
				165					170					175	
Gly	Thr	Val	Glu	Ser	Pro	Met	Thr	Pro	Ser	Gln	Phe	Ala	Thr	Ser	Val
			180					185					190		
Asp	Ile	Ser	Glu	Arg	Gly	Leu	Ile	Ala	Thr	Gly	Phe	Asn	Asn	Gly	Thr
		195					200					205			
Val	Gln	Ile	Ser	Glu	Leu	Ser	Thr	Leu	Arg	Pro	Leu	Tyr	Asn	Phe	Glu
	210						215					220			
Ser	Gln	His	Ser	Met	Ile	Asn	Asn	Ser	Asn	Ser	Ile	Arg	Ser	Val	Lys
225						230					235				240
Phe	Ser	Pro	Gln	Gly	Ser	Leu	Leu	Ala	Ile	Ala	His	Asp	Ser	Asn	Ser
				245					250					255	
Phe	Gly	Cys	Ile	Thr	Leu	Tyr	Glu	Thr	Glu	Phe	Gly	Glu	Arg	Ile	Gly
			260					265					270		
Ser	Leu	Ser	Val	Pro	Thr	His	Ser	Ser	Gln	Ala	Ser	Leu	Gly	Glu	Phe
		275					280					285			
Ala	His	Ser	Ser	Trp	Val	Met	Ser	Leu	Ser	Phe	Asn	Asp	Ser	Gly	Glu
	290					295					300				
Thr	Leu	Cys	Ser	Ala	Gly	Trp	Asp	Gly	Lys	Leu	Arg	Phe	Trp	Asp	Val
305						310					315				320
Lys	Thr	Lys	Glu	Arg	Ile	Thr	Thr	Leu	Asn	Met	His	Cys	Asp	Asp	Ile
				325					330					335	
Glu	Ile	Glu	Glu	Asp	Ile	Leu	Ala	Val	Asp	Glu	His	Gly	Asp	Ser	Leu
			340					345					350		
Ala	Glu	Pro	Gly	Val	Phe	Asp	Val	Lys	Phe	Leu	Lys	Lys	Gly	Trp	Arg
		355					360					365			
Ser	Gly	Met	Gly	Ala	Asp	Leu	Asn	Glu	Ser	Leu	Cys	Cys	Val	Cys	Leu
	370					375					380				
Asp	Arg	Ser	Ile	Arg	Trp	Phe	Arg	Glu	Ala	Gly	Gly	Lys			
385					390					395					

<210> 107

<211> 1037

<212> DNA

<213> Candida albicans

<400> 107

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agttattgcg caaaaagtcg tgcatttgag gtgtggtatg tgtgccaaag caatccagtt 180
gcttcgtggg ttcgactgac acggtttcat tcagaaaact catagggaca ggcaacgcat 240
ctcccttctg gacctccaga gcgctgaaat caatggattc cttggccagc ctagccggag 300
tgcctgtttt caaacgccct aactgaaagc ccacctcatt ttgtagagta ttgctgatcc 360
catatgttgg ctgctcgcca attcttcctg ctgcaatacg cttgtcgccg atgtgaattt 420
ctgcactgag aaacgtacct gtagtgatta tgacctgatc tgccccaacc tgggtaccgt 480
catccagaac cacacctttg atgaccttgt ggccacatcc ggggtcatac aagatcaagt 540
cagcaacttt gttctgcagc agagacaagt tggggtgtgc tttcttgctg gaaagttccc 600
tttgcattga tttcttataa aactctctgt ctatctgggc tctgggcccc cacacagcag 660
gaccttgctt tctgttcagc attttgaatt gcactccagc gagatcagtt actttgcccc 720
tcagcccatc gagagcgctg atttccttta caaggatgcc cttaccact ccaccaatag 780
aggggttgca cgaacactta ccaatatctg ttaacgatgg tgtaatgaga gtagtatgca 840
caccagtcct agatgacgca gctgcagctt cgcagcctgc atgtccagca ccgatgacca 900
cgacctgtgt cttggttggtg gggttggaagc ttgtcaaaga agatatggtc aaccgcctcc 960
tgaggacctg taagggaat gaagtacacg aagacgcaa ggttggtaca cgcagcatcg 1020
ttctttgggg cgtttag                                     1037

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<210> 108

<211> 178

<212> PRT

<213> *Candida albicans*

<400> 108

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Met Thr Leu Trp Pro His Pro Gly Ser Tyr Lys Ile Lys Ser Ala Thr
  1              5              10              15

Leu Phe Cys Ser Arg Asp Lys Leu Gly Cys Ala Phe Leu Ser Glu Ser
      20              25              30

Ser Leu Cys Met Tyr Phe Leu Tyr Asn Ser Leu Ser Ile Trp Ala Leu
      35              40              45

Gly Pro His Thr Ala Gly Pro Leu Leu Leu Phe Ser Ile Leu Asn Cys
      50              55              60

Thr Pro Ala Arg Ser Val Thr Leu Pro Ile Ser Pro Ser Arg Ala Ser
      65              70              75              80

Ile Ser Phe Thr Arg Met Pro Leu Pro Thr Pro Pro Ile Glu Gly Leu
      85              90              95

His Glu His Leu Pro Ile Ser Val Asn Asp Gly Val Met Arg Val Val
      100              105              110

Cys Ala Pro Val Leu Asp Asp Ala Ala Ala Ala Ser Gln Pro Ala Cys
      115              120              125

Pro Ala Pro Met Thr Thr Thr Cys Val Leu Val Val Gly Trp Lys Leu
      130              135              140

Val Lys Glu Asp Met Val Asn Arg Leu Leu Arg Thr Cys Lys Gly Asn
      145              150              155              160

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111

Glu Val His Glu Asp Ala Lys Val Val Thr Arg Ser Ile Val Leu Trp
 165 170 175

Gly Val

<210> 109
 <211> 731
 <212> DNA
 <213> Candida albicans

<400> 109
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 gtggtgaagt caccgtagtt gaaaacgggt tcagcaactt caactgggta ggtttccggt 120
 ggggtggcgg cttggaacat gtagtattga gccaaagtga ctctgatatc agagacgtag 180
 acacctaatt caaccaaatt gactctttcg tcagactgag ctagagtggg gggtgcggaa 240
 gcagtagcag cgatggcagc gacaccagcg gcgattgaag ttaatttgac cattgtattt 300
 gttttgtttt ttagtgctgg tataagctta acaggaaaga aagaaataaa gatataattt 360
 caaaagcata cagttgaagc agctctattt ataccggtt ctctatcagt catcactact 420
 taaacgattc gttaacagat gctcatttag cacctcacat atcctccata tctcatcttt 480
 cacacaatct cattatcact atggagatgc tcttgtttct gaacgaatca tacatctttc 540
 atagacttcg tatgtggagt attgtattat ggcactcatg tgtattcgta tgcgcagaat 600
 gtgggaatgc caattatagg gtgccgaggt gccttataaa acccttttct gtgcctgtga 660
 catttccttt ttcggtcaaa aagaatatcc gaatttttaga tttggaccct cgtacagaag 720
 cttattgtta a 731

<210> 110
 <211> 76
 <212> PRT
 <213> Candida albicans

<400> 110
 Met Glu Met Leu Leu Phe Leu Asn Glu Ser Tyr Ile Phe His Arg Leu
 1 5 10 15
 Arg Met Trp Ser Ile Val Leu Trp His Ser Cys Val Phe Val Cys Ala
 20 25 30
 Glu Cys Gly Asn Ala Asn Tyr Arg Val Pro Arg Cys Leu Ile Lys Pro
 35 40 45
 Phe Ser Val Pro Val Thr Phe Pro Phe Ser Val Lys Lys Asn Ile Arg
 50 55 60
 Ile Leu Asp Leu Asp Pro Arg Thr Glu Ala Tyr Cys
 65 70 75

<210> 111
 <211> 1025
 <212> DNA
 <213> Candida albicans

<400> 111

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tccttacttt agtctattat caatatctct tccccctcct aaatatgtac tcttttattt 60
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gtgtagccta atgtttaatg cctaattttt ttctaaaatg cagcaacata catatggtga 180
gtcgtataga catctatata taacaagcac agaaccgtct aattggtatt tttcaggaca 240
ttttaaacat ccgtacaacg agaaccata cattactttt tttaatatc ttttggtttt 300
caccgccttc tttttatttt tatccgaaga tcttttgga cccgctctgc gaatagcgaa 360
gctaggatac caaattgaaa cttggacata actcatcatt aaagaagtat actgttaaga 420
gaggcattca tttcgtgtat tataacgttt agcatcagtt acccttgaaa gccaacata 480
tacaaaaata cgcgtccaag atgtctacta aagcccaaaa ccctatgcgt gatttgaaga 540
tcgagaaatt ggtcttgaac atctccgttg gtgaatctgg tgacagatta accagagcct 600
ccaagggttt agaacaatta tctgggtcaa ctccagttca atccaaggcc agatacactg 660
tcagaacttt cggtatcaga agaaacgaaa aaattgctgt tcacgttacc gtcagaggtc 720
caaaggctga agaaattttg gaaagaggtt tgaagggtcaa ggaataccaa ttgagagaca 780
gaaacttctc tgctaccggt aacttcggtt tcggtattga cgaacacatt gacttgggta 840
tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900
caggtgctag agtcactaga agaaagagat gtaagggtac tgttggtaac tcccacaaga 960
caactaagga agacaccgtc tcttggttca agcaaaaagta cgacgctgat gtgctcgata 1020
aataa                                     1025

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<210> 112

<211> 174

<212> PRT

<213> *Candida albicans*

<400> 112

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Met Ser Thr Lys Ala Gln Asn Pro Met Arg Asp Leu Lys Ile Glu Lys
  1              5              10              15

Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
      20              25              30

Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
      35              40              45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
      50              55              60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
      65              70              75              80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe
      85              90              95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
      100             105             110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr
      115             120             125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys
      130             135             140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val
      145             150             155             160

```

113

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys
 165 170

<210> 113
 <211> 1258
 <212> DNA
 <213> *Candida albicans*

<400> 113
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 taccctatat acaccatac cctatttttta aatataaaaa gtaaacttca ttttgaaaga 180
 ccactctgca tcagcacgcg ggctctggaa ggaagaaatg acgtttcggc ggaataccct 240
 ttcagaaggt ctgctcttgt ggctggttca tgggagacac ccagcggagc tcctcccag 300
 aaaggccccct tcatctctgc cgattgctga cggaaagcag tagcggagggt ttgagttctc 360
 tacgccgaga gtacactgcc gtaatatcac aatgtttcga ctaacgggta cagtacgtta 420
 aattagatac tgcctatgaa ttgacatatt agataatgtc aaattttaca aaaacctaag 480
 acaacaggaa ataaacaaag atgggttaaag gtaagccaag aggtttgaac tctgctagaa 540
 agctacgtgt ccacagaaga aacaagtatg ttgactatct caaaattaaa aaaaactatc 600
 aaccccctat tgtgatatcg ttttaggtga aggaaatgtt gtgagctctg gtagtgataaa 660
 tttatcaagt aacatattcct ggcgcaaadc agtttgaga ggcttaaaat gacacgtcac 720
 agtgataaaa agtaatgaat agtgaacggc cagcttcggc cattcttccc aatctatagt 780
 gtggaaaata aaccttttct tcccaaaaata actcagaaaag tcacaggagg ccgtttttta 840
 caacggaatc atttttttac taacagtttt tttttattat tatagccgtt gggccgaaaa 900
 caactacaag aagagattgt tgggtactgc cttcaagtct tctccattcg gtggttcttc 960
 tcatgccaaag ggatctgtct tggaaaaatt gggatatcga tccaagcaac ctaactctgc 1020
 tatcagaaaag tgtgttagag ttcaattaat caagaacggc aagaagggtca ctgctttcgt 1080
 tccaaacgat ggttggttga actttgtcga cgaaaatgat gaagtcttgc tagcagggtt 1140
 cggtagaaaag ggtaaagcta aggggtgat tccagggtgt agattcaagg tcgttaaggt 1200
 ctctggtgtc tccttggttg ctttgtggaa agaaaagaag gaaaagccaa gatcataa 1258

<210> 114
 <211> 145
 <212> PRT
 <213> *Candida albicans*

<400> 114
 Met Gly Lys Gly Lys Pro Arg Gly Leu Asn Ser Ala Arg Lys Leu Arg
 1 5 10 15
 Val His Arg Arg Asn Asn Arg Trp Ala Glu Asn Asn Tyr Lys Lys Arg
 20 25 30
 Leu Leu Gly Thr Ala Phe Lys Ser Ser Pro Phe Gly Gly Ser Ser His
 35 40 45
 Ala Lys Gly Ile Val Leu Glu Lys Leu Gly Ile Glu Ser Lys Gln Pro
 50 55 60
 Asn Ser Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly
 65 70 75 80
 Lys Lys Val Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Val
 85 90 95

114

Asp Glu Asn Asp Glu Val Leu Leu Ala Gly Phe Gly Arg Lys Gly Lys
 100 105 110

Ala Lys Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ser
 115 120 125

Gly Val Ser Leu Leu Ala Leu Trp Lys Glu Lys Lys Glu Lys Pro Arg
 130 135 140

Ser
 145

<210> 115
 <211> 1733
 <212> DNA
 <213> *Candida albicans*

<400> 115
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 gtatgtactg tgcacgtca ttagcacta tttcagccgt atttttcttt ttttctttcg 120
 caccgtctgt gggtgtaaag ttactgacac ttttttttct agaaagttcc ggaaaattgc 180
 gacactcggg ggagctcgag agttgtatcc agttttcttg ttccgcgata ttccgaacca 240
 ggtcgggttg ggctaacagc cgcccaggat ggaagaatta agaatttcat agaagccttc 300
 agttcttggc gaagtaaaagt ggcaaaacaa atggaagatc tattgcatta catatataaa 360
 agcattagaa caatcttttc tcattgacag gtattctcat tgctctatat atatttttctt 420
 ctctttgaaa gaaatatcag tattacaatc ataacaacaa ccaaaagaaa ataactaata 480
 gaccccatca caatatagaa atgtttttcca tattcaattc accatgtgtt tttgaacagc 540
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 attatccaga atgtaaaagg aggaaagcaa taaaagctaa cctaagagct ccaaaaaaaa 660
 gcgatgcaaa ttgttcagaa cttttgaggt atgcacttgc tgaaacacca aatgggtata 720
 cattaagctt gtctaagcgg attccatag aacttttttc aaagtacgtt aatgagaaat 780
 taggtgagct aaaggagaa cttacagac caacttacca tgttgtccaa gatttttttg 840
 gaaaccagta ttatgttgaa gatgaagcgg atgaagatgc tctattgaga tctgcattga 900
 aagatctgga ttttagagcc ataggaaaga aaattgctaa ggatcttttc caagactacg 960
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 aaaacataga tgatggctcg agagaaaaat atgcactttt aaagattggg ttagttaagc 1140
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 aaatagacga gtctcacgat gatgttaaca tgtctgaatc tttgaaggag gaagaagcgg 1260
 agaaagcgaa agaaccacta accaaagaag accaaataaa aaaatggata gaggaagaaa 1320
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 agcaaaaaac caagaggtcc cagcaaaaaa aattgcaaaa ttccaaatca ttgcctatct 1500
 ctgagattga ggccagcaat aaaaataata atagcaattc tggttcagca gaaagtgata 1560
 atgaaagtat aaacagtgat tctgatacga ctttgattt ctctgtgtct ggtaatacac 1620
 taataaaaca cgcttcaccc ctattagaag acgttgagga tgaggaagtt gacagatata 1680
 acgagtcctt aagcagatct cccaagggaa actctattat tgaggagata taa 1733

<210> 116
 <211> 410
 <212> PRT
 <213> *Candida albicans*

<400> 116

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 Phe Ser Gln Pro Leu His Ser Arg Tyr Phe Asp Cys Ser Ser Pro Val
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 Ser Tyr Tyr Pro Glu Cys Lys Arg Arg Lys Ala Ile Lys Ala Asn Leu
 35 40 45
 Arg Ala Pro Lys Lys Ser Asp Ala Asn Cys Ser Glu Pro Leu Arg Tyr
 50 55 60
 Ala Leu Ala Glu Thr Pro Asn Gly Tyr Thr Leu Ser Leu Ser Lys Arg
 65 70 75 80
 Ile Pro Tyr Glu Leu Phe Ser Lys Tyr Val Asn Glu Lys Leu Gly Glu
 85 90 95
 Leu Lys Glu Asn His Tyr Arg Pro Thr Tyr His Val Val Gln Asp Phe
 100 105 110
 Phe Gly Asn Gln Tyr Tyr Val Glu Asp Glu Ala Asp Glu Asp Ala Leu
 115 120 125
 Leu Arg Ser Ala Leu Lys Asp Leu Asp Phe Arg Ala Ile Gly Lys Lys
 130 135 140
 Ile Ala Lys Asp Leu Phe Gln Asp Tyr Glu Ile Glu Leu Asn His Arg
 145 150 155 160
 Gly Asp Glu Leu Ser Ile Leu Ser Lys Lys Asp Lys Ile Phe Lys Glu
 165 170 175
 Phe Ser Leu Asp Gln Val Phe Glu Asp Val Phe Val Ile Gly Cys Gly
 180 185 190
 Val Glu Asn Ile Asp Asp Gly Ser Arg Glu Lys Tyr Ala Leu Leu Lys
 195 200 205
 Ile Gly Leu Val Lys His Glu Glu Ile Ser Glu Gly Gly Ile Asn
 210 215 220
 Glu Pro Lys Met Pro Ile Ile Glu Ser Lys Ile Asp Glu Ser His Asp
 225 230 235 240
 Asp Val Asn Met Ser Glu Ser Leu Lys Glu Glu Glu Ala Glu Lys Ala
 245 250 255
 Lys Glu Pro Leu Thr Lys Glu Asp Gln Ile Lys Lys Trp Ile Glu Glu
 260 265 270
 Glu Arg Leu Met Gln Glu Glu Ser Arg Lys Ser Glu Gln Glu Lys Ala
 275 280 285
 Ala Lys Glu Asp Glu Glu Arg Gln Lys Lys Glu Lys Glu Ala Arg Leu
 290 295 300

116

Lys Ala Arg Lys Glu Ser Leu Ile Asn Lys Gln Lys Thr Lys Arg Ser
 305 310 315 320
 Gln Gln Lys Lys Leu Gln Asn Ser Lys Ser Leu Pro Ile Ser Glu Ile
 325 330 335
 Glu Ala Ser Asn Lys Asn Asn Asn Ser Asn Ser Gly Ser Ala Glu Ser
 340 345 350
 Asp Asn Glu Ser Ile Asn Ser Asp Ser Asp Thr Thr Leu Asp Phe Ser
 355 360 365
 Val Ser Gly Asn Thr Leu Lys Lys His Ala Ser Pro Leu Leu Glu Asp
 370 375 380
 Val Glu Asp Glu Glu Val Asp Arg Tyr Asn Glu Ser Leu Ser Arg Ser
 385 390 395 400
 Pro Lys Gly Asn Ser Ile Ile Glu Glu Ile
 405 410

<210> 117
 <211> 890
 <212> DNA
 <213> Candida albicans

<400> 117
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 ccatacatatc atttttgataa agatataatg ttatatattct ttccgtaatt ttgttttact 180
 tcgggtttgct ctatagattt catcagccgc accgaaaagg gagatcaata aggtaccctt 240
 taaaaggggat aagaagccta catcacccca ataaatggag taatggccag cattggatga 300
 agagaagaat tacgggatac tgggataaca ctgttaaaaa atgcttcgcg acgtgagggg 360
 cttcttcata taaattgaac tgccaaatct ctttcacatt atccaggata gtttggaatg 420
 tgtgttactg aaggatcaga atcaataaat acaatcaata caaatattta gcgcataaaa 480
 ttcaaacaaa gtttactgaa atgaagttag attcaggaat atactcagag gcacaaagag 540
 ttgtgagaac tccaaagttt agatatatta tgttagggct ggtgggcgct gctgtggtac 600
 cgaccgcata catgaggaga ggctatacgg ttctgcaca tagcttagac aacatcaacg 660
 gcgtagacac aactaaggcg tctgttatgg gtacagaaca gagagcagct atgacgaagg 720
 gtaagagttt acaagagatg atggatgatg atgaagtaac gtatttgatg ttcctcttca 780
 atcatgtaag ggaatttgta cttgggtccc tgcatttatg ttctttgcat tttgttttcg 840
 catttaataca tagtacgaca aacggggaag gggattgtga ttttacataa 890

<210> 118
 <211> 129
 <212> PRT
 <213> Candida albicans

<400> 118
 Met Lys Leu Asp Ser Gly Ile Tyr Ser Glu Ala Gln Arg Val Val Arg
 1 5 10 15
 Thr Pro Lys Phe Arg Tyr Ile Met Leu Gly Leu Val Gly Ala Ala Val

117

20	25	30
Val Pro Thr Ala Tyr Met Arg Arg Gly Tyr Thr Val Pro Ala His Ser		
35	40	45
Leu Asp Asn Ile Asn Gly Val Asp Thr Thr Lys Ala Ser Val Met Gly		
50	55	60
Thr Glu Gln Arg Ala Ala Met Thr Lys Gly Lys Ser Leu Gln Glu Met		
65	70	75
Met Asp Asp Asp Glu Val Thr Tyr Leu Met Phe Leu Phe Asn His Val		
85	90	95
Arg Glu Phe Val Leu Gly Ser Leu His Leu Cys Ser Leu His Phe Val		
100	105	110
Phe Ala Phe Asn His Ser Thr Thr Asn Gly Glu Gly Asp Cys Asp Phe		
115	120	125

Thr

<210> 119
 <211> 1418
 <212> DNA
 <213> Candida albicans

<400> 119

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aaggacaata	ccatagtata	gaacattatg	cattacacga	taatataatg	gaagagatag	900
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118

<210> 120

<211> 305

<212> PRT

<213> Candida albicans

<400> 120

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 20 25 30

Arg Glu Cys Gln Ser Gln Leu Asp Ile Val Ile Val Pro Glu Phe Lys
 35 40 45

Thr Ser Phe Gln Leu Asp Ser Ala Leu Gly Lys Met Tyr Ser Ile Thr
 50 55 60

Arg Asp Val Leu Leu Gly Tyr Gly Met Ile Asn Ser Gly Ile Asn Ile
 65 70 75 80

Ile Phe Asn Asn Ile His Phe Val Glu Ser Asn Leu Gln Trp Lys Val
 85 90 95

Val Leu Leu Pro Gln Glu Ser Thr Phe Glu Thr Trp Lys Leu Glu Leu
 100 105 110

Gly Gln Gly Gln Tyr His Ser Ile Glu His Tyr Ala Leu His Asp Asn
 115 120 125

Ile Met Glu Glu Ile Glu Gly Pro Lys Asp Ala Asn Lys Phe His Val
 130 135 140

Thr Ala Leu Gly Gly Thr Phe Asp His Ile His Asp Gly His Lys Ile
 145 150 155 160

Leu Leu Ser Val Ser Thr Phe Ile Thr Ser Gln Arg Leu Ile Cys Gly
 165 170 175

Ile Thr Cys Asp Glu Leu Leu Gln Asn Lys Lys Tyr Lys Glu Leu Ile
 180 185 190

Glu Pro Tyr Asp Thr Arg Cys Arg His Val His Gln Phe Ile Lys Leu
 195 200 205

Leu Lys Pro Asp Leu Ser Val Glu Leu Val Pro Leu Arg Asp Val Cys
 210 215 220

Gly Pro Thr Gly Lys Val Pro Glu Ile Glu Cys Leu Val Val Ser Arg
 225 230 235 240

Glu Thr Val Ser Gly Ala Glu Thr Val Asn Lys Thr Arg Ile Glu Lys
 245 250 255

Gly Met Ser Pro Leu Ala Val His Val Val Asn Val Leu Gly Gly Arg
 260 265 270

Glu Glu Asp Gly Trp Ser Glu Lys Leu Ser Ser Thr Glu Ile Arg Arg
 275 280 285

Leu Leu Lys Ser Ser Ala Ser Pro Thr Cys Thr Pro Gln Asn Pro Cys
 290 295 300

Val
 305

<210> 121
 <211> 1433
 <212> DNA
 <213> Candida albicans

<400> 121
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 ccaccgccga taagatcaag gccaatgctg ctggtgccaa ggaagttttg aaggaatctg 180
 caaagactat tgtcgattct ggcaaaactac catccagctt gttgtcctac ttcgtgtgaa 240
 taccgtaaga aatggaatag aatatatacg aatgtatacg aatattatag agaacgttct 300
 cttttatttc tataatgaat aggttcgggt aacggttccc tttttaggta tttctagaag 360
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 aatccacttc tggcatctta aagcaatgga agcattcttt tgaaaagtgt gcctccagaa 660
 ttgaggggct cactgacaat gcagttgttt ataaattgaa gccttacatt ccaagtgtgt 720
 caagattttt cattgtggcc accttttatg aagattcggt taggatctta tcacaatggt 780
 cagatcaaat tttttatctg aataagtggg agcattaccc atacttcttt gtcgttgtgt 840
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<210> 122
 <211> 310
 <212> PRT
 <213> Candida albicans

<400> 122
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 Asn Gln Ser Thr Ser Gly Ile Leu Lys Gln Trp Lys His Ser Phe Glu
 35 40 45

Lys Phe Ala Ser Arg Ile Glu Gly Leu Thr Asp Asn Ala Val Val Tyr
 50 55 60
 Lys Leu Lys Pro Tyr Ile Pro Ser Leu Ser Arg Phe Phe Ile Val Ala
 65 70 75 80
 Thr Phe Tyr Glu Asp Ser Phe Arg Ile Leu Ser Gln Trp Ser Asp Gln
 85 90 95
 Ile Phe Tyr Leu Asn Lys Trp Lys His Tyr Pro Tyr Phe Phe Val Val
 100 105 110
 Val Phe Leu Val Val Val Thr Val Ser Met Leu Ile Gly Ala Ser Leu
 115 120 125
 Leu Val Leu Arg Lys Gln Thr Asn Tyr Ala Thr Gly Val Leu Cys Ala
 130 135 140
 Cys Val Ile Ser Gln Ala Leu Val Tyr Gly Leu Phe Thr Gly Ser Ser
 145 150 155 160
 Phe Val Leu Arg Asn Phe Ser Val Ile Gly Gly Leu Leu Ile Ala Phe
 165 170 175
 Ser Asp Ser Ile Val Gln Asn Lys Thr Thr Phe Gly Met Leu Pro Glu
 180 185 190
 Leu Asn Ser Lys Asn Asp Lys Ala Lys Gly Tyr Leu Leu Phe Ala Gly
 195 200 205
 Arg Ile Leu Ile Val Leu Met Phe Ile Ala Phe Thr Phe Ser Lys Ser
 210 215 220
 Trp Phe Thr Val Val Leu Thr Ile Ile Gly Thr Ile Cys Phe Ala Ile
 225 230 235 240
 Gly Tyr Lys Thr Lys Phe Ala Ser Ile Met Leu Gly Leu Ile Leu Thr
 245 250 255
 Phe Tyr Asn Ile Thr Leu Asn Asn Tyr Trp Phe Tyr Asn Asn Thr Lys
 260 265 270
 Arg Asp Phe Leu Lys Tyr Glu Phe Tyr Gln Asn Leu Ser Ile Ile Gly
 275 280 285
 Gly Leu Leu Leu Val Thr Asn Thr Gly Ala Gly Glu Leu Ser Val Asp
 290 295 300
 Glu Lys Lys Lys Ile Tyr
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<210> 123

<211> 1802

<212> DNA

<213> *Candida albicans*

<400> 123

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aataatcgaa tataaacgat ggaattttta taaaattaaa cacatatata tatatatatt 240
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1802

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<210> 124

<211> 433

<212> PRT

<213> *Candida albicans*

<400> 124

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Met Phe Ser Leu Pro Thr Leu Thr Ser Asp Ile Thr Val Glu Val Asn
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Ser Ser Ala Thr Lys Thr Pro Phe Val Arg Arg Pro Val Glu Pro Val
      20              25              30

Gly Lys Phe Phe Leu Gln His Ala Gln Arg Thr Leu Arg Asn His Thr
      35              40              45

Trp Ser Glu Phe Glu Arg Ile Glu Ala Glu Lys Asn Val Lys Thr Val
      50              55              60

Asp Glu Ser Asn Val Asp Pro Asp Glu Leu Leu Phe Asp Thr Glu Leu
      65              70              75              80

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Ala	Asp	Glu	Asp	Leu	Leu	Thr	His	Asp	Ala	Arg	Asp	Trp	Lys	Thr	Ala		
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Asp	Leu	Tyr	Ala	Ala	Met	Gly	Leu	Ser	Lys	Leu	Arg	Phe	Arg	Ala	Thr		
			100					105					110				
Glu	Ser	Gln	Ile	Ile	Lys	Ala	His	Arg	Lys	Gln	Val	Val	Lys	Tyr	His		
		115					120					125					
Pro	Asp	Lys	Gln	Ser	Ala	Ala	Gly	Gly	Ser	Leu	Asp	Gln	Asp	Gly	Phe		
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Phe	Lys	Ile	Ile	Gln	Lys	Ala	Phe	Glu	Thr	Leu	Thr	Asp	Ser	Asn	Lys		
145					150					155					160		
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Lys	Lys	Gly	Thr	Asp	Tyr	Asp	Phe	Tyr	Glu	Ala	Trp	Gly	Pro	Val	Phe		
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225					230					235					240		
Pro	Asp	Asp	Ser	Ser	Asn	Arg	Asp	His	Lys	Arg	Tyr	Ile	Glu	Arg	Lys		
				245					250					255			
Asn	Lys	Ala	Ala	Arg	Asp	Lys	Lys	Lys	Thr	Ala	Asp	Asn	Ala	Arg	Leu		
		260					265						270				
Val	Lys	Leu	Val	Glu	Arg	Ala	Val	Ser	Glu	Asp	Pro	Arg	Ile	Lys	Met		
		275					280					285					
Phe	Lys	Glu	Glu	Glu	Lys	Lys	Glu	Lys	Glu	Arg	Arg	Lys	Trp	Glu	Arg		
	290					295					300						
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305					310					315				320			
Glu	Ala	Lys	Ala	Lys	Ala	Glu	Ser	Glu	Ala	Lys	Ala	Asn	Ala	Ser	Ala		
				325					330					335			
Lys	Ala	Asp	Lys	Lys	Lys	Ala	Lys	Glu	Ala	Ala	Lys	Ala	Ala	Lys	Lys		
		340						345					350				
Lys	Asn	Lys	Arg	Ala	Ile	Arg	Asn	Ser	Ala	Lys	Glu	Ala	Asp	Tyr	Phe		
	355						360						365				
Gly	Asp	Ala	Asp	Lys	Ala	Thr	Thr	Ile	Asp	Glu	Gln	Val	Gly	Leu	Ile		
	370					375					380						

123

Val Asp Ser Leu Asn Asp Glu Glu Leu Val Ser Thr Ala Asp Lys Ile
 385 390 395 400

Lys Ala Asn Ala Ala Gly Ala Lys Glu Val Leu Lys Glu Ser Ala Lys
 405 410 415

Thr Ile Val Asp Ser Gly Lys Leu Pro Ser Ser Leu Leu Ser Tyr Phe
 420 425 430

Val

<210> 125

<211> 1472

<212> DNA

<213> Candida albicans

<400> 125

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<210> 126

<211> 136

<212> PRT

<213> Candida albicans

<400> 126

Met Ala Lys Phe Leu Lys Ala Gly Lys Val Ala Val Val Val Arg Gly
 1 5 10 15

Arg Tyr Ala Gly Lys Lys Val Val Ile Val Lys Pro His Asp Glu Gly

20	25	30
Ser Lys Ser His Pro Phe Gly His Ala Leu Val Ala Gly Ile Glu Arg		
35	40	45
Tyr Pro Leu Lys Val Thr Lys Lys His Gly Ala Lys Lys Val Ala Lys		
50	55	60
Arg Thr Lys Ile Lys Pro Phe Ile Lys Val Val Asn Tyr Asn His Leu		
65	70	75
Leu Pro Thr Arg Tyr Thr Leu Asp Val Glu Ala Phe Lys Ser Val Val		
85	90	95
Ser Thr Glu Thr Phe Glu Gln Pro Ser Gln Arg Glu Glu Ala Lys Lys		
100	105	110
Val Val Lys Lys Ala Phe Glu Glu Arg His Gln Ala Gly Lys Asn Gln		
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Trp Phe Phe Ser Lys Leu Arg Phe		
130	135	

<210> 127

<211> 1299

<212> DNA

<213> Candida albicans

<400> 127

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<210> 128

<211> 82

125

<212> PRT

<213> *Candida albicans*

<400> 128

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Arg Lys His Lys Leu Lys Thr Leu Val Gln Gly Pro Arg Ser Tyr Phe
 20 25 30

Leu Asp Val Lys Cys Pro Gly Cys Leu Asn Ile Thr Thr Val Phe Ser
 35 40 45

His Ala Gln Thr Ala Val Thr Cys Glu Ser Cys Ser Thr Val Leu Cys
 50 55 60

Thr Pro Thr Gly Gly Lys Ala Lys Leu Ser Glu Gly Thr Ser Phe Arg
 65 70 75 80

Arg Lys

<210> 129

<211> 1262

<212> DNA

<213> *Candida albicans*

<400> 129

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acagtgcgta	tggtcagac	gagagacg	ctctagag	acgtccgct	gtgctgca	300
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atgtatatct	taattgat	ggtatttt	ctgtttta	gtaaattg	ggagatta	480
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ga						1262

<210> 130

<211> 106

<212> PRT

<213> Candida albicans

<400> 130

Met Val Asn Val Pro Lys Thr Arg Lys Thr Tyr Cys Lys Gly Lys Thr
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Cys Arg Lys His Thr Gln His Lys Val Thr Gln Tyr Lys Ala Gly Lys
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Ala Ser Leu Phe Ala Gln Gly Lys Arg Arg Tyr Asp Arg Lys Gln Ser
 35 40 45

Gly Phe Gly Gly Gln Thr Lys Pro Val Phe His Lys Lys Ala Lys Thr
 50 55 60

Thr Lys Lys Val Val Leu Arg Leu Glu Cys Val Lys Cys Lys Thr Arg
 65 70 75 80

Ala Gln Leu Thr Leu Lys Arg Cys Lys His Phe Glu Leu Gly Gly Glu
 85 90 95

Lys Lys Gln Lys Gly Gln Ala Leu Gln Phe
 100 105

<210> 131

<211> 962

<212> DNA

<213> Candida albicans

<400> 131

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<210> 132

<211> 153

<212> PRT

<213> Candida albicans

<400> 132

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 Pro Thr His Thr His Pro His Thr Pro Thr Pro Thr Pro His Pro His
 35 40 45
 Pro His Thr Pro His Pro His Thr Thr Pro Thr Pro Thr Pro His His
 50 55 60
 Thr His Thr Pro His Thr Thr Leu Ser Asn Leu Ser Leu Asn Leu Pro
 65 70 75 80
 Ser His Tyr Pro Thr Ser Pro Leu Val Thr Leu Pro His Ser Thr Ile
 85 90 95
 Pro Leu Pro Thr Thr Ile His Leu Ser Thr Tyr Tyr Tyr His Pro Pro
 100 105 110
 Pro Ile Ile Thr Val Thr Leu Gln Leu Pro Ile Ser Asn Ser Thr Thr
 115 120 125
 Ile Thr Leu Leu Leu Pro Tyr His Pro Pro Cys Pro Thr His Cys Thr
 130 135 140
 Val Val Leu Pro Ser Ile Leu Lys Arg
 145 150

<210> 133
 <211> 3752
 <212> DNA
 <213> Candida albicans

<400> 133
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<210> 134

<211> 1083

<212> PRT

<213> Candida albicans

<400> 134

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5

10

15

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20

25

30

Ser Lys Gln Glu Thr Ser Glu Glu Glu Asp Thr Ala Gly Lys His Glu
 35 40 45
 Gln Arg Glu Thr Leu Ser Glu Glu Val Ser Asp Lys Phe Pro Glu Asn
 50 55 60
 Val Ala Ser Phe Arg Ser Gln Thr Thr Ser Val His Gln Ala Thr Gln
 65 70 75 80
 Asn Asn Leu Asn Ala Lys Glu Ser Glu Asp Leu Ala His Lys Asn Asp
 85 90 95
 Ala Ser Ser His Glu Gly Glu Val Asn Gly Asp Ser Arg Pro Asp Asp
 100 105 110
 Val Pro Glu Thr Asn Glu Lys Ile Ser Gln Ala Ile Arg Ala Lys Ile
 115 120 125
 Ser Ser Ser Ser Ser Ser Pro Asn Val Arg Asn Val Asp Ile Gln Asn
 130 135 140
 His Gln Pro Phe Ser Arg Asp Gln Leu Arg Ala Met Leu Lys Glu Pro
 145 150 155 160
 Lys Arg Lys Thr Val Asp Asp Phe Ile Glu Glu Glu Gly Leu Gly Ala
 165 170 175
 Val Glu Glu Glu Asp Leu Ser Asp Glu Val Leu Glu Lys Asn Thr Thr
 180 185 190
 Glu Pro Glu Asn Val Glu Lys Asp Ile Glu Tyr Ser Asp Ser Asp Lys
 195 200 205
 Asp Thr Asp Asp Val Gly Ser Asp Asp Pro Thr Ala Pro Asn Ser Pro
 210 215 220
 Ile Lys Leu Gly Arg Arg Lys Leu Val Arg Gly Asp Gln Leu Asp Ala
 225 230 235 240
 Thr Thr Ser Ser Met Phe Asn Asn Glu Ser Asp Ser Glu Leu Ser Asp
 245 250 255
 Ile Asp Asp Ser Lys Asn Ile Ala Leu Ser Ser Ser Leu Phe Arg Gly
 260 265 270
 Gly Ser Ser Pro Val Lys Glu Thr Asn Asn Asn Leu Ser Asn Met Asn
 275 280 285
 Ser Ser Pro Ala Gln Asn Pro Lys Arg Gly Ser Val Ser Arg Ser Asn
 290 295 300
 Asp Ser Asn Lys Ser Ser His Ile Ala Val Ser Lys Arg Pro Lys Gln
 305 310 315 320
 Lys Lys Gly Ile Tyr Arg Asp Ser Gly Gly Arg Thr Arg Leu Gln Ile
 325 330 335

Ala Cys Asp Lys Gly Lys Tyr Asp Val Val Lys Lys Met Ile Glu Glu
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 Gly Gly Tyr Asp Ile Asn Asp Gln Asp Asn Ala Gly Asn Thr Ala Leu
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 465 470 475 480
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 485 490 495
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 His Leu Pro Tyr Val Gly Thr Tyr Val Glu Asn Gly Gly Lys Ile Asp
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 Ser Ile Phe Leu Ala Phe Gly Phe Pro Val Asn Gln Thr Ser Arg Asp
 580 585 590
 Asn Lys Thr Ser Ala Leu Met Val Ala Val Gly Arg Gly His Leu Gly
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 Lys Lys Gly Arg Thr Ala Leu Tyr Tyr Ala Lys Asn Ser Ile Met Gly
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Ile Thr Asn Ser Glu Glu Ile Gln Leu Ile Glu Asn Ala Ile Asn Asn
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 660 665 670
 Asp Asn Asn Asn Glu Thr Tyr Lys His Glu Lys Lys Arg Glu Lys Thr
 675 680 685
 Gln Ser Pro Ile Leu Ala Ser Arg Arg Ser Ala Thr Pro Arg Ile Glu
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 740 745 750
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 Val Glu Ile Ser Lys Ile His Glu Glu Thr Ala Ala Glu Arg Glu Ala
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 930 935 940

Leu Thr Pro Leu Trp Asn Met Leu Lys Phe Ile Phe Leu Tyr Gly Gly
 945 950 955 960

Ser Tyr Asp Asp Lys Lys Asn Asn Met Glu Asn Lys Arg Tyr Val Val
 965 970 975

Asn Phe Asp Gly Val Asp Leu Asp Thr Lys Ile Gly Tyr Glu Leu Leu
 980 985 990

Glu Tyr Lys Lys Phe Val Ser Leu Pro Met Ala Trp Ile Lys Trp Asp
 995 1000 1005

Asn Val Val Ile Glu Asn His Ala Lys Arg Lys Glu Ile Glu Gly Asn
 1010 1015 1020

Met Ile Gln Ile Ser Ile Asn Glu Phe Ala Arg Trp Arg Asn Asp Lys
 1025 1030 1035 1040

Leu Asn Lys Ala Gln Gln Pro Thr Arg Lys Gln Arg Ser Leu Lys Ile
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Pro Arg Glu Leu Pro Val Lys Phe Gln His Arg Met Ser Ile Ser Ser
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<210> 135

<211> 4883

<212> .DNA

<213> Candida albicans

<400> 135

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134

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<210> 136

<211> 1460

<212> PRT

<213> Candida albicans

<400> 136

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			20					25						30	
Lys	Leu	Pro	Phe	Ala	Ser	Leu	Gln	Asn	Leu	Asp	Ile	Ser	Asn	Ser	Lys
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Ser	Leu	Phe	Val	Ala	Ala	Ser	Gly	Ser	Lys	Ala	Val	Val	Gly	Glu	Leu
	50					55					60				
Gln	Leu	Leu	Arg	Asp	His	Ile	Thr	Ser	Asp	Ser	Thr	Pro	Leu	Thr	Phe
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Lys	Trp	Glu	Lys	Glu	Ile	Pro	Asp	Val	Ile	Phe	Val	Cys	Phe	His	Gly
			85						90					95	
Asp	Gln	Val	Leu	Val	Ser	Thr	Arg	Asn	Ala	Leu	Tyr	Ser	Leu	Asp	Leu
		100						105					110		
Glu	Glu	Leu	Ser	Glu	Phe	Arg	Thr	Val	Thr	Ser	Phe	Glu	Lys	Pro	Val
	115						120					125			
Phe	Gln	Leu	Lys	Asn	Val	Asn	Asn	Thr	Leu	Val	Ile	Leu	Asn	Ser	Val
	130					135					140				
Asn	Asp	Leu	Ser	Ala	Leu	Asp	Leu	Arg	Thr	Lys	Ser	Thr	Lys	Gln	Leu
145				150						155					160
Ala	Gln	Asn	Val	Thr	Ser	Phe	Asp	Val	Thr	Asn	Ser	Gln	Leu	Ala	Val
			165						170					175	
Leu	Leu	Lys	Asp	Arg	Ser	Phe	Gln	Ser	Phe	Ala	Trp	Arg	Asn	Gly	Glu
		180						185					190		
Met	Glu	Lys	Gln	Phe	Glu	Phe	Ser	Leu	Pro	Ser	Glu	Leu	Glu	Glu	Leu
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Pro	Val	Glu	Glu	Tyr	Ser	Pro	Leu	Ser	Val	Thr	Ile	Leu	Ser	Pro	Gln
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Asp	Phe	Leu	Ala	Val	Phe	Gly	Asn	Val	Ile	Ser	Glu	Thr	Asp	Asp	Glu
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Val Ser Tyr Asp Gln Lys Met Tyr Ile Ile Lys His Ile Asp Gly Ser
 245 250 255
 Ala Ser Phe Gln Glu Thr Phe Asp Ile Thr Pro Pro Phe Gly Gln Ile
 260 265 270
 Val Arg Phe Pro Tyr Met Tyr Lys Val Thr Leu Ser Gly Leu Ile Glu
 275 280 285
 Pro Asp Ala Asn Val Asn Val Leu Ala Ser Ser Cys Ser Ser Glu Val
 290 295 300
 Ser Ile Trp Asp Ser Lys Gln Val Ile Glu Pro Ser Gln Asp Ser Glu
 305 310 315 320
 Arg Ala Val Leu Pro Ile Ser Glu Glu Thr Asp Lys Asp Thr Asn Pro
 325 330 335
 Ile Gly Val Ala Val Asp Val Val Thr Ser Gly Thr Ile Leu Glu Pro
 340 345 350
 Cys Ser Gly Val Asp Thr Ile Glu Arg Leu Pro Leu Val Tyr Ile Leu
 355 360 365
 Asn Asn Glu Gly Ser Leu Gln Ile Val Gly Leu Phe His Val Ala Ala
 370 375 380
 Ile Lys Ser Gly His Tyr Ser Ile Asn Leu Glu Ser Leu Glu His Glu
 385 390 395 400
 Lys Ser Leu Ser Pro Thr Ser Glu Lys Ile Pro Ile Ala Gly Gln Glu
 405 410 415
 Gln Glu Glu Lys Lys Lys Asn Asn Glu Ser Ser Lys Ala Leu Ser Glu
 420 425 430
 Asn Pro Phe Thr Ser Ala Asn Thr Ser Gly Phe Thr Phe Leu Lys Thr
 435 440 445
 Gln Pro Ala Ala Ala Asn Ser Leu Gln Ser Gln Ser Ser Ser Thr Phe
 450 455 460
 Gly Ala Pro Ser Phe Gly Ser Ser Ala Phe Lys Ile Asp Leu Pro Ser
 465 470 475 480
 Val Ser Ser Thr Ser Thr Gly Val Ala Ser Ser Glu Gln Asp Ala Thr
 485 490 495
 Asp Pro Ala Ser Ala Lys Pro Val Phe Gly Lys Pro Ala Phe Gly Ala
 500 505 510
 Ile Ala Lys Glu Pro Ser Thr Ser Glu Tyr Ala Phe Gly Lys Pro Ser
 515 520 525
 Phe Gly Ala Pro Ser Phe Gly Ser Gly Lys Ser Ser Val Glu Ser Pro
 530 535 540

Ala	Ser	Gly	Ser	Ala	Phe	Gly	Lys	Pro	Ser	Phe	Gly	Thr	Pro	Ser	Phe	545	550	555	560
Gly	Ser	Gly	Asn	Ser	Ser	Val	Glu	Pro	Pro	Ala	Ser	Gly	Ser	Ala	Phe	565	570	575	
Gly	Lys	Pro	Ser	Phe	Gly	Thr	Pro	Ser	Phe	Gly	Ser	Gly	Asn	Ser	Ser	580	585	590	
Ala	Glu	Pro	Pro	Ala	Ser	Gly	Ser	Ala	Phe	Gly	Lys	Pro	Ser	Phe	Gly	595	600	605	
Thr	Ser	Ala	Phe	Gly	Thr	Ala	Ser	Ser	Asn	Glu	Thr	Asn	Ser	Gly	Ser	610	615	620	
Ile	Phe	Gly	Lys	Ala	Ala	Phe	Gly	Ser	Ser	Ser	Phe	Ala	Pro	Ala	Asn	625	630	635	640
Asn	Glu	Leu	Phe	Gly	Ser	Asn	Phe	Thr	Ile	Ser	Lys	Pro	Thr	Val	Asp	645	650	655	
Ser	Pro	Lys	Glu	Val	Asp	Ser	Thr	Ser	Pro	Phe	Pro	Ser	Ser	Gly	Asp	660	665	670	
Gln	Ser	Glu	Asp	Glu	Ser	Lys	Ser	Asp	Val	Asp	Ser	Ser	Ser	Thr	Pro	675	680	685	
Phe	Gly	Thr	Lys	Pro	Asn	Thr	Ser	Thr	Lys	Pro	Lys	Thr	Asn	Ala	Phe	690	695	700	
Asp	Phe	Gly	Ser	Ser	Ser	Phe	Gly	Ser	Gly	Phe	Ser	Lys	Ala	Leu	Glu	705	710	715	720
Ser	Val	Gly	Ser	Asp	Thr	Thr	Phe	Lys	Phe	Gly	Thr	Gln	Ala	Ser	Pro	725	730	735	
Phe	Ser	Ser	Gln	Leu	Gly	Asn	Lys	Ser	Pro	Phe	Ser	Ser	Phe	Thr	Lys	740	745	750	
Asp	Asp	Thr	Glu	Asn	Gly	Ser	Leu	Ser	Lys	Gly	Ser	Thr	Ser	Glu	Ile	755	760	765	
Asn	Asp	Asp	Asn	Glu	Glu	His	Glu	Ser	Asn	Gly	Pro	Asn	Val	Ser	Gly	770	775	780	
Asn	Asp	Leu	Thr	Asp	Ser	Thr	Val	Glu	Gln	Thr	Ser	Ser	Thr	Arg	Leu	785	790	795	800
Pro	Glu	Thr	Pro	Ser	Asp	Glu	Asp	Gly	Glu	Val	Val	Glu	Glu	Glu	Ala	805	810	815	
Gln	Lys	Ser	Pro	Ile	Gly	Lys	Leu	Thr	Glu	Thr	Ile	Lys	Lys	Ser	Ala	820	825	830	
Asn	Ile	Asp	Met	Ala	Gly	Leu	Lys	Asn	Pro	Val	Phe	Gly	Asn	His	Val	835	840	845	

Lys Ala Lys Ser Glu Ser Pro Phe Ser Ala Phe Ala Thr Asn Ile Thr
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 Lys Pro Ser Ser Thr Thr Pro Ala Phe Ser Phe Gly Asn Ser Thr Met
 865 870 875 880
 Asn Lys Ser Asn Thr Ser Thr Val Ser Pro Met Glu Glu Ala Asp Thr
 885 890 895
 Lys Glu Thr Ser Glu Lys Gly Pro Ile Thr Leu Lys Ser Val Glu Asn
 900 905 910
 Pro Phe Leu Pro Ala Lys Glu Glu Arg Thr Gly Glu Ser Ser Lys Lys
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 Asp His Asn Asp Asp Pro Lys Asp Gly Tyr Val Ser Gly Ser Glu Ile
 930 935 940
 Ser Val Arg Thr Ser Glu Ser Ala Phe Asp Thr Thr Ala Asn Glu Glu
 945 950 955 960
 Ile Pro Lys Ser Gln Asp Val Asn Asn His Glu Lys Ser Glu Thr Asp
 965 970 975
 Pro Lys Tyr Ser Gln His Ala Val Val Asp His Asp Asn Lys Ser Lys
 980 985 990
 Glu Met Asn Glu Thr Ser Lys Asn Asn Glu Arg Ser Gly Gln Pro Asn
 995 1000 1005
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 1140 1145 1150

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 1155 1160 1165
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 Cys Lys Pro Lys Gln Leu Lys Glu Tyr Tyr Thr Ser Ala Lys Val Ser
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 Ser Ser Ile Thr Lys Asp Met Lys Gly Phe Lys Val Val Glu Val Gly
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Asn Met Ala Lys
1460

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<211> 1321
<212> DNA
<213> *Candida albicans*

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<210> 138
<211> 128
<212> PRT
<213> *Candida albicans*

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Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
35 40 45
Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
50 55 60
Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Ile Ile Glu Pro
65 70 75 80

Ser Leu Lys Ala Leu Ala Ser Lys Tyr Asn Cys Asp Lys Ser Val Cys
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Arg Lys Cys Tyr Ala Arg Leu Pro Pro Arg Ala Thr Asn Cys Arg Lys
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Arg Lys Cys Gly His Thr Asn Gln Leu Arg Pro Lys Lys Lys Leu Lys
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<210> 139
<211> 2216
<212> DNA
<213> Candida albicans

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ccgtactagt agttaagtat gaacaaattt tgggtttatt tgccattttt tttcacgcgg 360
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agaacgaatg gttcaagaaa agaagccatc gcgaagaagt ttggcaaaaa catttcggat 2160
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<210> 140
 <211> 571
 <212> PRT
 <213> Candida albicans

<400> 140

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		20						25					30		
Met	Glu	Arg	Lys	Arg	Gln	Ala	Leu	Val	Glu	Arg	Leu	Lys	Arg	Lys	Gln
		35					40					45			
Glu	Phe	Lys	Lys	Pro	Gln	Asp	Pro	Asn	Phe	Glu	Ala	Ile	Glu	Val	Pro
	50					55					60				
Gln	Ser	Pro	Thr	Lys	Asn	Arg	Val	Lys	Val	Gly	Ser	His	Asn	Ala	Thr
65					70					75					80
Gln	Gln	Gly	Thr	Lys	Phe	Glu	Gly	Ser	Asn	Ile	Asn	Glu	Val	Arg	Leu
				85					90					95	
Ser	Gln	Leu	Gln	Gln	Gln	Pro	Lys	Pro	Pro	Ala	Ser	Thr	Thr	Thr	Tyr
		100						105					110		
Phe	Met	Glu	Lys	Phe	Gln	Asn	Ala	Lys	Lys	Asn	Glu	Asp	Lys	Gln	Ile
		115					120					125			
Ala	Lys	Phe	Glu	Ser	Met	Met	Asn	Ala	Arg	Val	His	Thr	Phe	Ser	Thr
	130					135					140				
Asp	Glu	Lys	Lys	Tyr	Val	Pro	Ile	Ile	Thr	Asn	Glu	Leu	Glu	Ser	Phe
145					150					155					160
Ser	Asn	Leu	Trp	Val	Lys	Lys	Arg	Tyr	Ile	Pro	Glu	Asp	Asp	Leu	Lys
			165						170					175	
Arg	Ala	Leu	His	Glu	Ile	Lys	Ile	Leu	Arg	Leu	Gly	Lys	Leu	Phe	Ala
		180						185					190		
Lys	Ile	Arg	Pro	Pro	Lys	Phe	Gln	Glu	Pro	Glu	Tyr	Ala	Asn	Trp	Ala
		195					200					205			
Thr	Val	Gly	Leu	Ile	Ser	His	Lys	Ser	Asp	Ile	Lys	Phe	Thr	Ser	Ser
	210					215					220				
Glu	Lys	Pro	Val	Lys	Phe	Phe	Met	Phe	Thr	Ile	Thr	Asp	Phe	Gln	His
225					230					235					240
Thr	Leu	Asp	Val	Tyr	Ile	Phe	Gly	Lys	Lys	Gly	Val	Glu	Arg	Tyr	Tyr
			245						250					255	
Asn	Leu	Arg	Leu	Gly	Asp	Val	Ile	Ala	Ile	Leu	Asn	Pro	Glu	Val	Leu

260					265					270					
Pro	Trp	Arg	Pro	Ser	Gly	Arg	Gly	Asn	Phe	Ile	Lys	Ser	Phe	Asn	Leu
		275					280					285			
Arg	Ile	Ser	His	Asp	Phe	Lys	Cys	Ile	Leu	Glu	Ile	Gly	Ser	Ser	Arg
	290					295					300				
Asp	Leu	Gly	Trp	Cys	Pro	Ile	Val	Asn	Lys	Lys	Thr	His	Lys	Lys	Cys
305					310					315					320
Gly	Ser	Pro	Ile	Asn	Ile	Ser	Leu	His	Lys	Cys	Cys	Asp	Tyr	His	Arg
				325					330					335	
Glu	Val	Gln	Phe	Arg	Gly	Thr	Ser	Ala	Lys	Arg	Ile	Glu	Leu	Asn	Gly
			340					345					350		
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	355					360						365			
Tyr	Lys	Ala	Lys	Gly	Glu	Asn	Gly	Phe	Asn	Ile	Ile	Lys	Gly	Thr	Arg
	370					375					380				
Lys	Arg	Leu	Ser	Glu	Glu	Glu	Glu	Arg	Leu	Lys	Lys	Ser	Ser	His	Asn
385					390					395					400
Phe	Thr	Asn	Ser	Asn	Ser	Ala	Lys	Ala	Phe	Phe	Asp	Glu	Lys	Phe	Gln
				405					410					415	
Asn	Pro	Asp	Met	Leu	Ala	Asn	Leu	Asp	Asn	Lys	Arg	Arg	Lys	Ile	Ile
			420					425					430		
Glu	Thr	Lys	Lys	Ser	Thr	Ala	Leu	Ser	Arg	Glu	Leu	Gly	Lys	Ile	Met
	435					440					445				
Arg	Arg	Arg	Glu	Ser	Ser	Gly	Leu	Glu	Asp	Lys	Ser	Val	Gly	Glu	Arg
	450					455					460				
Gln	Lys	Met	Lys	Arg	Thr	Thr	Glu	Ser	Ala	Leu	Gln	Thr	Gly	Leu	Ile
465					470					475				480	
Gln	Arg	Leu	Gly	Phe	Asp	Pro	Thr	His	Gly	Lys	Ile	Ser	Gln	Val	Leu
				485					490				495		
Lys	Ser	Ser	Val	Ser	Gly	Ser	Glu	Pro	Lys	Asn	Asn	Leu	Leu	Gly	Lys
			500					505					510		
Lys	Lys	Thr	Val	Ile	Asn	Asp	Leu	Leu	His	Tyr	Lys	Lys	Glu	Lys	Val
		515					520					525			
Ile	Leu	Ala	Pro	Ser	Lys	Asn	Glu	Trp	Phe	Lys	Lys	Arg	Ser	His	Arg
	530					535					540				
Glu	Glu	Val	Trp	Gln	Lys	His	Phe	Gly	Ser	Lys	Glu	Thr	Lys	Glu	Thr
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Ser	Asp	Gly	Ser	Ala	Ser	Asp	Leu	Glu	Ile	Ile					

143

565

570

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 <211> 1133
 <212> DNA
 <213> Candida albicans

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<210> 142
 <211> 210
 <212> PRT
 <213> Candida albicans

<400> 142
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 Ile Ile Glu Gln Leu Lys Glu Asn Asp Ile Ser Leu Pro Arg Val Lys
 35 40 45
 Ala Leu Val Cys Ser Val Gly Gly Gly Gly Leu Phe Ser Gly Ile Ile
 50 55 60
 Lys Gly Leu Asp Arg Asn Gln Leu Ala Glu Lys Ile Pro Val Val Ala
 65 70 75 80
 Val Glu Thr Ala Gly Cys Asp Val Leu Asn Lys Ser Leu Lys Lys Gly
 85 90 95
 Ser Pro Val Thr Leu Glu Lys Leu Thr Ser Val Ala Thr Ser Leu Ala
 100 105 110

Ser Pro Tyr Ile Ala Ser Phe Ala Phe Glu Ser Phe Asn Lys Tyr Gly
 115 120 125

Cys Lys Ser Val Val Leu Ser Asp Gln Asp Val Leu Ala Thr Cys Leu
 130 135 140

Arg Tyr Ala Asp Asp Tyr Asn Phe Ile Val Glu Pro Ala Cys Gly Ala
 145 150 155 160

Ser Leu His Leu Cys Tyr His Pro Glu Ile Leu Glu Asp Ile Leu Glu
 165 170 175

Gln Lys Ile Tyr Glu Asp Asp Ile Val Ile Ile Ala Cys Gly Gly
 180 185 190

Ser Cys Met Thr Tyr Glu Asp Leu Val Lys Ala Ser Ser Thr Leu Asn
 195 200 205

Val Ser
 210

<210> 143

<211> 2549

<212> DNA

<213> Candida albicans

<400> 143

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<210> 144

<211> 682

<212> PRT

<213> Candida albicans

<400> 144

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Val Val Leu Tyr Ala Leu Phe Val Val Ile Leu Pro Leu Gln Asn Ser
      20              25              30

Phe His Ser Ser Asn Val Leu Val Arg Gly Ala Asp Asp Val Glu Asn
      35              40              45

Tyr Gly Thr Val Ile Gly Ile Asp Leu Gly Thr Thr Tyr Ser Cys Val
      50              55              60

Ala Val Met Lys Asn Gly Lys Thr Glu Ile Leu Ala Asn Glu Gln Gly
      65              70              75              80

Asn Arg Ile Thr Pro Ser Tyr Val Ala Phe Thr Asp Asp Glu Arg Leu
      85              90              95

Ile Gly Asp Ala Ala Lys Asn Gln Val Ala Ala Asn Pro Gln Asn Thr
      100             105             110

Ile Phe Asp Ile Lys Arg Leu Ile Gly Leu Lys Tyr Asn Asp Arg Ser
      115             120             125

Val Gln Lys Asp Ile Lys His Leu Pro Phe Asn Val Val Asn Lys Asp
      130             135             140

Gly Lys Pro Ala Val Glu Val Ser Val Lys Gly Glu Lys Lys Val Phe
      145             150             155             160

Thr Pro Glu Glu Ile Ser Gly Met Ile Leu Gly Lys Met Lys Gln Ile
      165             170             175

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Ala Glu Asp Tyr Leu Gly Thr Lys Val Thr His Ala Val Val Thr Val
 180 185 190
 Pro Ala Tyr Phe Asn Asp Ala Gln Arg Gln Ala Thr Lys Asp Ala Gly
 195 200 205
 Thr Ile Ala Gly Leu Asn Val Leu Arg Ile Val Asn Glu Pro Thr Ala
 210 215 220
 Ala Ala Ile Ala Tyr Gly Leu Asp Lys Ser Asp Lys Glu His Gln Ile
 225 230 235 240
 Ile Val Tyr Asp Leu Gly Gly Gly Thr Phe Asp Val Ser Leu Leu Ser
 245 250 255
 Ile Glu Asn Gly Val Phe Glu Val Gln Ala Thr Ser Gly Asp Thr His
 260 265 270
 Leu Gly Gly Glu Asp Phe Asp Tyr Lys Ile Val Arg Gln Leu Ile Lys
 275 280 285
 Ala Phe Lys Lys Lys His Gly Ile Asp Val Ser Asp Asn Asn Lys Ala
 290 295 300
 Leu Ala Lys Leu Lys Arg Glu Ala Glu Lys Ala Lys Arg Ala Leu Ser
 305 310 315 320
 Ser Gln Met Ser Thr Arg Ile Glu Ile Asp Ser Phe Val Asp Gly Ile
 325 330 335
 Asp Leu Ser Glu Thr Leu Thr Arg Ala Lys Phe Glu Glu Leu Asn Leu
 340 345 350
 Asp Leu Phe Lys Lys Thr Leu Lys Pro Val Glu Lys Val Leu Gln Asp
 355 360 365
 Ser Gly Leu Glu Lys Lys Asp Val Asp Asp Ile Val Leu Val Gly Gly
 370 375 380
 Ser Thr Arg Ile Pro Lys Val Gln Gln Leu Leu Glu Ser Tyr Phe Asp
 385 390 395 400
 Gly Lys Lys Ala Ser Lys Gly Ile Asn Pro Asp Glu Ala Val Ala Tyr
 405 410 415
 Gly Ala Ala Val Gln Ala Gly Val Leu Ser Gly Glu Glu Gly Val Glu
 420 425 430
 Asp Ile Val Leu Leu Asp Val Asn Ala Leu Thr Leu Gly Ile Glu Thr
 435 440 445
 Thr Gly Gly Val Met Thr Pro Leu Ile Lys Arg Asn Thr Ala Ile Pro
 450 455 460
 Thr Lys Lys Ser Gln Ile Phe Ser Thr Ala Val Asp Asn Gln Pro Thr
 465 470 475 480

147

Val Met Ile Lys Val Tyr Glu Gly Glu Arg Ala Met Ser Lys Asp Asn
 485 490 495
 Asn Leu Leu Gly Lys Phe Glu Leu Thr Gly Ile Pro Pro Ala Pro Arg
 500 505 510
 Gly Val Pro Gln Ile Glu Val Thr Phe Ala Leu Asp Ala Asn Gly Ile
 515 520 525
 Leu Lys Val Ser Ala Thr Asp Lys Gly Thr Gly Lys Ser Glu Ser Ile
 530 535 540
 Thr Ile Thr Asn Asp Lys Gly Arg Leu Thr Gln Glu Glu Ile Asp Arg
 545 550 555 560
 Met Val Glu Glu Ala Glu Lys Phe Ala Ser Glu Asp Ala Ser Ile Lys
 565 570 575
 Ala Lys Val Glu Ser Arg Asn Lys Leu Glu Asn Tyr Ala His Ser Leu
 580 585 590
 Lys Asn Gln Val Asn Gly Asp Leu Gly Glu Lys Leu Glu Glu Glu Asp
 595 600 605
 Lys Glu Thr Leu Leu Asp Ala Ala Asn Asp Val Leu Glu Trp Leu Asp
 610 615 620
 Asp Asn Phe Glu Thr Ala Ile Ala Glu Asp Phe Asp Glu Lys Phe Glu
 625 630 635 640
 Ser Leu Ser Lys Val Ala Tyr Pro Ile Thr Ser Lys Leu Tyr Gly Gly
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 Asp Gly Asp Tyr Phe Glu His Asp Glu Leu
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<210> 145

<211> 1253

<212> DNA

<213> Candida albicans

<400> 145

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<210> 146

<211> 250

<212> PRT

<213> Candida albicans

<400> 146

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          20             25             30

Pro Thr Gly Gln Val Met Ala Tyr Gly Met Asn Asp Thr Asn Lys Ser
          35             40             45

Leu Thr Gly Val Ala His Ala Glu Phe Met Gly Ile Asp Gln Ile Lys
 50             55             60

Ala Met Leu Gly Ser Arg Gly Val Val Asp Val Phe Lys Asp Ile Thr
 65             70             75             80

Leu Tyr Val Thr Val Glu Pro Cys Ile Met Cys Ala Ser Ala Leu Lys
          85             90             95

Gln Leu Asp Ile Gly Lys Val Val Phe Gly Cys Gly Asn Glu Arg Phe
          100             105             110

Gly Gly Asn Gly Thr Val Leu Ser Val Asn His Asp Thr Cys Thr Leu
          115             120             125

Val Pro Lys Asn Asn Ser Ala Ala Gly Tyr Glu Ser Ile Pro Gly Ile
          130             135             140

Leu Arg Lys Glu Ala Ile Met Leu Leu Arg Tyr Phe Tyr Val Arg Gln
          145             150             155             160

Asn Glu Arg Ala Pro Lys Pro Arg Ser Lys Ser Asp Arg Val Leu Asp
          165             170             175

Lys Asn Thr Phe Pro Pro Met Glu Trp Ser Lys Tyr Leu Asn Glu Glu
          180             185             190

Ala Phe Ile Glu Thr Phe Gly Asp Asp Tyr Arg Thr Cys Phe Ala Asn
          195             200             205

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Lys Val Asp Leu Ser Ser Asn Ser Val Asp Trp Asp Leu Ile Asp Ser
 210 215 220

His Gln Asp Asn Ile Ile Gln Glu Leu Glu Glu Gln Cys Lys Met Phe
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Lys Phe Asn Val His Lys Lys Ser Lys Val
 245 250

<210> 147
 <211> 3167
 <212> DNA
 <213> Candida albicans

<400> 147

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aaggtgagta cctagcagaa attttcataa aatacgttat tcatatcctc gaaaaatcaa 1920
agtaccaatt ggcccaagta tcagttaatt ttcaattcta ttccagtggg gaagactggg 1980
acaagaaatt ttctcaatgg ttgctacgat ggaagctagt atcgataaat atccgctgga 2040
atatacaaat tgccaggatt ttcccaaac tattcaagga aaatgtcgtg tcaaatttcc 2100
aggagttttt ggatcttata ttcaatcctt tattcactct ggaaaaggag cagttaccaa 2160
tagattcatc tgtaaaatact gatatacttg gtctgcagtt ttttttatca aatgtgtgtt 2220
ctatggatct ggtcattaaa gagtcggatg aatattactg gaaagaattt actgatatga 2280
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atttatattt tacagatcaa gttgaatcgt tagtggtgcaa cttactgctt tgtaatggtg 2520
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<210> 148

<211> 888

<212> PRT

<213> Candida albicans

<400> 148

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      20                      25                      30

Leu Ser Glu Asn Asp Gly Asp Val Ser Pro Ser Val Leu Lys Gln Lys
      35                      40                      45

Glu Ile Ser Val Asp Asp Met Asp Met Ile Ser Leu Pro Thr Glu Phe
      50                      55                      60

Asp Arg Gln Met Val Leu Gly Ser Pro Met Phe Phe Asp Leu Glu Asp
      65                      70                      75                      80

Glu Glu Asn Lys Ile Asp Pro Leu Pro Ser Val Ser His His Tyr Gly
      85                      90                      95

Asn Gly Glu Ser Asp Ser Phe Val Ser Ser Tyr Thr Pro Ser Asn Leu
      100                     105                     110

Lys Thr Gly Glu Glu Thr Lys Asp Leu Phe Ile Asn Pro Phe Glu Leu
      115                     120                     125

Val Ser Gln Met Arg Lys Arg Tyr Ile Ala Ala Ser Lys Gln Asp Gly
      130                     135                     140

Ile Ser Asn Ile Lys Asn Asp Thr Glu Lys Trp Phe Leu Tyr Pro Lys
      145                     150                     155                     160

Pro Leu Pro Lys Phe Trp Arg Phe Glu Asp Asp Lys Arg Phe Gln Asp
      165                     170                     175

Pro Ser Asp Ser Asp Leu Asn Asp Asp Gly Asp Ser Thr Gly Thr Gly
      180                     185                     190

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Ala Ala Thr Pro His Arg His Gly Tyr Tyr Tyr Pro Ser Tyr Phe Thr
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 Asp His Tyr Tyr Tyr Tyr Thr Lys Ser Gly Leu Lys Gly Lys Gly Asn
 210 215 220
 Ile Lys Val Pro Tyr Thr Gly Glu Tyr Phe Asp Leu Glu Asp Tyr Lys
 225 230 235 240
 Lys Gln Tyr Ile Tyr His Leu Ser Asn Gln Glu Asn Thr Gln Asn Pro
 245 250 255
 Leu Ser Pro Tyr Ser Ser Lys Glu Glu Ser Leu Glu Glu Glu Phe Leu
 260 265 270
 Thr Asp Val Pro Thr Phe Gln Glu Phe Arg Asp Asp Phe Ala Tyr Ile
 275 280 285
 Ile Glu Leu Ile Gln Ser His Lys Phe Asn Glu Val Ser Arg Lys Arg
 290 295 300
 Leu Ser Tyr Leu Leu Asp Lys Phe Glu Leu Phe Gln Tyr Leu Asn Ser
 305 310 315 320
 Lys Lys Glu Ile Leu Ala Asn Lys Asn Val Pro Tyr Arg Asp Phe Tyr
 325 330 335
 Asn Ser Arg Lys Val Asp Arg Asp Leu Ser Leu Ser Gly Cys Ile Ser
 340 345 350
 Gln Arg Gln Leu Ser Glu Tyr Ile Trp Glu Lys Ile Asn Leu Glu Pro
 355 360 365
 Glu Arg Ile Val Tyr Gln Asp Pro Glu Thr Ser Arg Lys Leu Ser Leu
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 385 390 395 400
 Ile Gly Leu Lys Leu Ile Asp Asp Glu Phe Leu Asp Trp Tyr Arg Asn
 405 410 415
 Ile Tyr Leu Ile Asp Tyr His Leu Thr Pro Asn Lys Val Ala Lys Leu
 420 425 430
 Val Gly Lys Glu Met Arg Phe Tyr Leu Leu Ala Lys Val Phe Leu Glu
 435 440 445
 Phe Asp Asn Phe Ile Glu Gly Glu Tyr Leu Ala Glu Ile Phe Ile Lys
 450 455 460
 Tyr Val Ile His Ile Leu Glu Lys Ser Lys Tyr Gln Leu Ala Gln Val
 465 470 475 480
 Ser Val Asn Phe Gln Phe Tyr Ser Ser Gly Glu Asp Trp Tyr Lys Lys
 485 490 495

Phe Ser Gln Trp Leu Leu Arg Trp Lys Leu Val Ser Tyr Asn Ile Arg
 500 505 510
 Trp Asn Ile Gln Ile Ala Arg Ile Phe Pro Lys Leu Phe Lys Glu Asn
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 Val Val Ser Asn Phe Gln Glu Phe Leu Asp Leu Ile Phe Asn Pro Leu
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 Phe Thr Leu Glu Lys Glu Gln Leu Pro Ile Asp Ser Ser Val Asn Thr
 545 550 555 560
 Asp Ile Ile Gly Leu Gln Phe Phe Leu Ser Asn Val Cys Ser Met Asp
 565 570 575
 Leu Val Ile Lys Glu Ser Asp Glu Tyr Tyr Trp Lys Glu Phe Thr Asp
 580 585 590
 Met Asn Cys Lys Pro Lys Phe Trp Thr Ala Gln Gly Asp Asn Pro Thr
 595 600 605
 Val Ala His Tyr Met Tyr Tyr Ile Tyr Lys Ser Leu Ala Lys Val Asn
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 Phe Leu Arg Ser Gln Asn Leu Gln Asn Thr Ile Thr Leu Arg Asn Tyr
 625 630 635 640
 Cys Ser Pro Leu Ser Ser Arg Thr Ser Gln Phe Gly Val Asp Leu Tyr
 645 650 655
 Phe Thr Asp Gln Val Glu Ser Leu Val Cys Asn Leu Leu Leu Cys Asn
 660 665 670
 Gly Gly Leu Leu Gln Val Glu Pro Leu Trp Asp Thr Ala Thr Met Ile
 675 680 685
 Gln Tyr Leu Phe Tyr Leu Phe Gln Ile Pro Ile Leu Ala Ala Pro Leu
 690 695 700
 Ser Ser Val Ser Leu Leu Asn Ser Gln Lys Ser Thr Phe Leu Lys Asn
 705 710 715 720
 Lys Asn Val Leu Leu Glu His Asp Tyr Leu Lys Asp Gln Glu Thr Ala
 725 730 735
 Lys Ile Asn Pro Ser Arg Asp Ile Thr Val Gly Glu Gln Arg Ser Tyr
 740 745 750
 Glu Thr Asn Pro Phe Met Lys Met Phe Lys Met Gly Leu Lys Ile Ser
 755 760 765
 Leu Ser Ser Lys Ser Ile Leu Tyr Asn Ser Ser Tyr Thr Leu Glu Pro
 770 775 780
 Leu Ile Glu Glu Tyr Ser Val Ala Ala Ser Ile Tyr Leu Leu Asn Pro
 785 790 795 800

Thr Asp Leu Cys Glu Leu Ser Arg Thr Ser Val Leu Ser Ser Gly Tyr
 805 810 815
 Glu Gly Trp Tyr Lys Ala His Trp Ile Gly Val Gly Val Lys Lys Ala
 820 825 830
 Pro Tyr Phe Glu Glu Asn Val Gly Gly Ile Asp Asn Trp Tyr Asp Thr
 835 840 845
 Ala Lys Asp Thr Ser Ile Lys His Asn Val Pro Met Ile Arg Arg Arg
 850 855 860
 Tyr Arg Lys Glu Thr Leu Asp Gln Glu Trp Asn Phe Val Arg Asp His
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<210> 149

<211> 3146

<212> DNA

<213> Candida albicans

<400> 149

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<210> 150

<211> 881

<212> PRT

<213> *Candida albicans*

<400> 150

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 20             25             30

His Asn Lys Phe Arg Ala Leu His Val Asp Thr Ala Pro Leu Thr Trp
 35             40             45

Ser Asp Thr Leu Ala Thr Tyr Ala Gln Asn Tyr Ala Asp Gln Tyr Asp
 50             55             60

Cys Ser Gly Val Leu Thr His Ser Asp Gly Pro Tyr Gly Glu Asn Leu
 65             70             75             80

Ala Leu Gly Tyr Thr Asp Thr Gly Ala Val Asp Ala Trp Tyr Gly Glu
 85             90             95

Ile Ser Lys Tyr Asn Tyr Ser Asn Pro Gly Phe Ser Glu Ser Thr Gly
100             105             110

His Phe Thr Gln Val Val Trp Lys Ser Thr Ala Glu Ile Gly Cys Gly
115             120             125

Tyr Lys Tyr Cys Gly Thr Thr Trp Asn Asn Tyr Ile Val Cys Ser Tyr
130             135             140

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Asn Pro Pro Gly Asn Tyr Leu Gly Glu Phe Ala Glu Glu Val Glu Pro
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 165 170 175
 Thr Thr Ser Asp Thr Val Ser Thr Ile Ser Ser Ser Ile Met Pro Ala
 180 185 190
 Val Ala Gln Gly Tyr Thr Thr Thr Val Ser Ser Ala Ala Ser Ser Ser
 195 200 205
 Ser Leu Lys Ser Thr Thr Ile Asn Pro Ala Lys Thr Ala Thr Leu Thr
 210 215 220
 Ala Ser Ser Ser Thr Val Ile Thr Ser Ser Thr Glu Ser Val Gly Ser
 225 230 235 240
 Ser Thr Val Ser Ser Ala Ser Ser Ser Ser Val Thr Thr Ser Tyr Ala
 245 250 255
 Thr Ser Ser Ser Thr Val Val Ser Ser Asp Ala Thr Ser Ser Thr Thr
 260 265 270
 Thr Thr Ser Ser Val Ala Thr Ser Ser Ser Thr Thr Ser Ser Asp Pro
 275 280 285
 Thr Ser Ser Thr Ala Ala Ala Ser Ser Ser Asp Pro Ala Ser Ser Ser
 290 295 300
 Ala Ala Ala Ser Ser Ser Ala Ser Thr Glu Asn Ala Ala Ser Ser Ser
 305 310 315 320
 Ser Ala Ile Ser Ser Ser Ser Ser Met Val Ser Ala Pro Leu Ser Ser
 325 330 335
 Thr Leu Thr Thr Ser Thr Ala Ser Ser Arg Ser Val Thr Ser Asn Ser
 340 345 350
 Val Asn Ser Val Lys Phe Ala Asn Thr Thr Val Phe Ser Ala Gln Thr
 355 360 365
 Thr Ser Ser Val Ser Ala Ser Leu Ser Ser Ser Val Ala Ala Asp Asp
 370 375 380
 Ile Gln Gly Ser Thr Ser Lys Glu Ala Thr Ser Ser Val Ser Glu His
 385 390 395 400
 Thr Ser Ile Val Thr Ser Ala Thr Asn Ala Ala Gln Tyr Ala Thr Arg
 405 410 415
 Leu Gly Ser Ser Ser Arg Ser Ser Ser Gly Ala Val Ser Ser Ser Ala
 420 425 430
 Val Ser Gln Ser Val Leu Asn Ser Val Ile Ala Val Asn Thr Asp Val
 435 440 445

Ser Val Thr Ser Val Ser Ser Thr Ala His Thr Thr Lys Asp Thr Ala
 450 455 460
 Thr Thr Ser Val Thr Ala Ser Glu Ser Ile Thr Ser Glu Thr Ala Gln
 465 470 475 480
 Ala Ser Ser Ser Thr Glu Lys Asn Ile Ser Asn Ser Ala Ala Thr Ser
 485 490 495
 Ser Ser Ile Tyr Ser Asn Ser Ala Ser Val Ser Gly His Gly Val Thr
 500 505 510
 Tyr Ala Ala Glu Tyr Ala Ile Thr Ser Glu Gln Ser Ser Ala Leu Ala
 515 520 525
 Thr Ser Val Pro Ala Thr Asn Cys Ser Ser Ile Val Lys Thr Thr Thr
 530 535 540
 Leu Glu Asn Ser Ser Thr Thr Thr Ile Thr Ala Ile Thr Lys Ser Thr
 545 550 555 560
 Thr Thr Leu Ala Thr Thr Ala Asn Asn Ser Thr Arg Ala Ala Thr Ala
 565 570 575
 Val Thr Ile Asp Pro Thr Leu Asp Pro Thr Asp Asn Ser Ala Ser Pro
 580 585 590
 Thr Asp Asn Ala Lys His Thr Ser Thr Tyr Gly Ser Ser Ser Thr Gly
 595 600 605
 Ala Ser Leu Asp Ser Leu Arg Thr Thr Thr Ser Ile Ser Val Ser Ser
 610 615 620
 Asn Thr Thr Gln Leu Val Ser Thr Cys Thr Ser Glu Ser Asp Tyr Ser
 625 630 635 640
 Asp Ser Pro Ser Phe Ala Ile Ser Thr Ala Thr Thr Thr Glu Ser Asn
 645 650 655
 Leu Ile Thr Asn Thr Ile Thr Ala Ser Cys Ser Thr Asp Ser Asn Phe
 660 665 670
 Pro Thr Ser Ala Ala Ser Ser Thr Asp Glu Thr Ala Phe Thr Arg Thr
 675 680 685
 Ile Ser Thr Ser Cys Ser Thr Leu Asn Gly Ala Ser Thr Gln Thr Ser
 690 695 700
 Glu Leu Thr Thr Ser Pro Met Lys Thr Asn Thr Val Val Pro Ala Ser
 705 710 715 720
 Ser Phe Pro Ser Thr Thr Thr Thr Cys Leu Glu Asn Asp Asp Thr Ala
 725 730 735
 Phe Ser Ser Ile Tyr Thr Glu Val Asn Ala Ala Thr Ile Ile Asn Pro
 740 745 750

Gly Glu Thr Ser Ser Leu Ala Ser Asp Phe Ala Thr Ser Glu Lys Pro
 755 760 765
 Asn Glu Pro Thr Ser Val Lys Ser Thr Ser Asn Glu Gly Thr Ser Ser
 770 775 780
 Thr Thr Thr Thr Tyr Gln Gln Thr Val Ala Thr Leu Tyr Ala Lys Pro
 785 790 795 800
 Ser Ser Thr Ser Leu Gly Ala Arg Thr Thr Thr Gly Ser Asn Gly Arg
 805 810 815
 Ser Thr Thr Ser Gln Gln Asp Gly Ser Ala Met His Gln Pro Thr Ser
 820 825 830
 Ser Ile Tyr Thr Gln Leu Lys Glu Gly Thr Ser Thr Thr Ala Lys Leu
 835 840 845
 Ser Ala Tyr Glu Gly Ala Ala Thr Pro Leu Ser Ile Phe Gln Cys Asn
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 Phe

<210> 151
 <211> 830
 <212> DNA
 <213> Candida albicans

<400> 151
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 gtgaagtgtt gctcaatcta tttgtttccg taggagtgtt attctcaatc gtgttgtctg 180
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<210> 152
 <211> 109
 <212> PRT
 <213> Candida albicans

158

<400> 152

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Thr Gln Leu Asp Met Val Asn Gln Gln Leu Ala Tyr Leu Asp Arg Gln
 20 25 30

Glu Lys Leu Ala Glu Leu Thr Lys Lys Glu Leu Glu Ser Tyr Pro Thr
 35 40 45

Asp Lys Val Trp Arg Ser Cys Gly Lys Ser Phe Ile Leu Gln Asp Lys
 50 55 60

Ser Lys Tyr Val Asn Asp Leu Ser His Ala Glu Thr Val Leu Leu Asp
 65 70 75 80

Gln Arg Lys Thr Leu Lys Ile Lys Lys Asn Tyr Leu Glu Thr Thr Val
 85 90 95

Glu Lys Thr Ile Asp Asn Leu Lys Ala Leu Met Lys Asn
 100 105

<210> 153

<211> 1478

<212> DNA

<213> Candida albicans

<400> 153

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<210> 154

<211> 325

<212> PRT

<213> Candida albicans

<400> 154

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			20					25					30		
Asp	Asn	Thr	Ile	Glu	Asn	Asn	Thr	Pro	Thr	Glu	Thr	Asn	Arg	Leu	Ser
		35					40					45			
Lys	Thr	Ser	Gln	Lys	Phe	Trp	Glu	Lys	Val	Ser	Leu	Asn	Arg	Asp	Val
	50					55					60				
Glu	Lys	Gly	Lys	Ile	Ala	Leu	Gln	Leu	Asp	Gly	Arg	Thr	Ile	Lys	Thr
65					70					75				80	
Pro	Leu	Gly	Asn	Gly	Ile	Ile	Val	Asp	Asn	Ala	Lys	Ser	Leu	Leu	Ala
				85					90					95	
Tyr	Leu	Leu	Lys	Leu	Glu	Trp	Ser	Ser	Leu	Ser	Ser	Leu	Ser	Ile	Lys
			100					105					110		
Thr	His	Ser	Leu	Pro	Leu	Thr	Ser	Leu	Val	Ala	Arg	Cys	Ile	Asp	Leu
		115					120					125			
Gln	Met	Thr	Asn	Glu	Pro	Gly	Cys	Asp	Pro	Gln	Leu	Val	Ala	Lys	Ile
	130					135					140				
Gly	Gly	Asn	Ser	Asp	Val	Ile	Lys	Asn	Gln	Leu	Leu	Arg	Tyr	Leu	Asp
145				150					155					160	
Thr	Asp	Thr	Leu	Leu	Val	Phe	Ser	Pro	Met	Asn	Glu	Phe	Glu	Gly	Arg
			165					170						175	
Leu	Arg	Asn	Ala	Gln	Asn	Glu	Leu	Tyr	Ile	Pro	Ile	Ile	Lys	Gly	Met
		180					185						190		
Glu	Glu	Phe	Leu	Arg	Asn	Phe	Ser	Ser	Glu	Ser	Asn	Ile	Arg	Leu	Gln
		195					200					205			
Ile	Leu	Asp	Ala	Asp	Ile	His	Gly	Leu	Arg	Gly	Asn	Gln	Gln	Ser	Asp
	210					215					220				
Ile	Val	Lys	Asn	Ala	Ala	Lys	Lys	Tyr	Met	Ser	Ser	Leu	Ser	Pro	Trp
225				230					235					240	
Asp	Leu	Ala	Ile	Leu	Glu	Lys	Thr	Val	Leu	Thr	Thr	Lys	Ser	Phe	Ile
			245					250						255	
Cys	Gly	Val	Leu	Leu	Leu	Glu	Asn	Lys	Lys	Asp	Thr	Ala	Asn	Leu	Ile
		260					265						270		

160

Pro Ala Leu Lys Thr Asp Met Asp Asn Ile Val Arg Ala Ala Thr Leu
 275 280 285

Glu Thr Ile Phe Gln Val Glu Lys Trp Gly Glu Val Glu Asp Thr His
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Asp Val Asp Lys Arg Asp Ile Arg Arg Lys Ile His Thr Ala Ala Ile
 305 310 315 320

Ala Ala Phe Lys Gln
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<210> 155
 <211> 2336
 <212> DNA
 <213> *Candida albicans*

<400> 155

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cgatagaagg	tataatatat	gcctgtgagg	tgtatgaccc	tgtaccccg	catttacata	600
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<210> 156
 <211> 611
 <212> PRT
 <213> Candida albicans

<400> 156
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 His Lys Ser Lys Thr Lys Ile Ile Asn Ala Ala Lys Leu Ile Ile Glu
 35 40 45
 Thr His Leu Ser Tyr Tyr Thr Ile Leu Asn Asn Ile Ser Asp Ile Gln
 50 55 60
 Ala Tyr Leu Ser Thr Trp Leu Arg Asp Leu Gly Thr Thr Gly Pro Tyr
 65 70 75 80
 Gln Thr Ile Leu Ser Glu Ser Ile Ser Leu Met Phe Asp Arg Thr Val
 85 90 95
 Ser Ile Phe Arg Lys Cys Thr Ile Glu Gly Gly Phe Pro His Leu Ile
 100 105 110
 Ala Arg Leu Tyr Leu Arg Leu Lys Ser Tyr Gln Lys Leu Leu Asn Asp
 115 120 125
 Ala Gly Leu Lys Asn Phe Phe Ser Ser Tyr Asp Tyr Ala Phe Gly Val
 130 135 140
 Ala Tyr Asn Leu Val Asn Cys Ser Glu Tyr Arg Tyr Asp Glu Val His
 145 150 155 160
 Tyr Ile Ser Asn Gly Thr Tyr Ser Leu Val Ala Ser Met Lys Ile Asp
 165 170 175
 Pro Ala Glu Val Ile Lys Arg Glu His Phe Arg Leu Thr Ile Pro Lys
 180 185 190
 Phe Asn Ile Ser Asn Ile Leu Ile Glu Ile Phe His Leu Leu Asp Gly
 195 200 205
 Leu Ala Phe Phe Lys Val Asn Pro Asp Ser Leu Ser Ile Ser Thr Ala
 210 215 220
 Ser Ala Glu Thr Ile Phe Arg Ser Ile Ser Glu Gly Asn His Gln Val
 225 230 235 240
 Leu Glu Leu Gly Arg Ser Leu Met Phe Pro Leu Leu Arg Thr Gly Asp
 245 250 255

Phe Glu Ile Cys Arg Ile Asp Asp Ala Gly Ala Val Ile Thr Phe Thr
 260 265 270
 Glu Ala Lys Asp Val Lys Leu Glu Ile Ile Ser Leu Asp Glu Val Ser
 275 280 285
 Trp Val Met Gln Trp Lys Ser Cys Leu Gln Asn Tyr Glu Arg Arg Ala
 290 295 300
 Ala Asn Asp Ser Ser Phe Ile Lys Thr His Leu Gln Phe Lys Lys Ala
 305 310 315 320
 Asn Asn Phe Asn Glu Asp Asn Asn Gly Leu Gly Leu Ile Val Asp Arg
 325 330 335
 Asn Ile Pro Thr Asp Asp Phe Thr Leu Ala Ser Thr Asn Arg Gln Ser
 340 345 350
 Pro Pro Pro Ser Asn Thr Gly Cys Ser Leu His Arg Ser Lys Pro Leu
 355 360 365
 His Ile Pro Leu Ser Ser Val Ile Arg Glu Asp Phe Tyr Asp Ser Ser
 370 375 380
 Leu Asn Glu Arg Ile Ser Lys Asp Gly Asp Ser Ser Cys Glu Ser Phe
 385 390 395 400
 Ser Gly Ala Glu Ser Ile Leu Ser Asp Tyr Asp Phe His Asp Asn Glu
 405 410 415
 Phe Phe Asn Asn Gln Ser Pro His Tyr Phe Ser Glu His Ile Asp Asn
 420 425 430
 Asn Ser Arg Glu Val Val Ile Thr Asp Glu Asn Thr Ile Ile Ser Leu
 435 440 445
 Glu Asn Thr Gln Val Ser Arg Trp Ser Asn Tyr Ser Trp Gln Lys Ile
 450 455 460
 Ser Pro His Gln Leu Gln Val Ser Ile Ile Gln Leu Arg Met Gly Asn
 465 470 475 480
 Phe Ile Val Ala Tyr Asp Ser Asp Tyr Asn Leu His Gln Phe Lys Ile
 485 490 495
 Arg Leu Cys Asp Asp Ile Lys Cys Ile Gln Ser Thr Glu Gln Asp Ile
 500 505 510
 Gln Ile Arg Val Pro Leu Gly Ala Ile Met Cys Ser Val Thr Gly Ile
 515 520 525
 Leu Asn Ile Arg Thr Lys Asp Ala Asp Lys Leu Leu Arg Val Leu Ser
 530 535 540
 Phe Tyr Thr Thr Asp His Thr Glu Ala Val Ser His Ser Asn Asn Gln
 545 550 555 560


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gaatttggaa aatcatcgtg gaattaagcc tggctttacg attcatccat gattcttgtc 2220
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<210> 158

<211> 819

<212> PRT

<213> Candida albicans

<400> 158

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          20                      25                      30

Glu Asp Glu Ser Asp Asp Phe Ala Ile Gly Gly Ser Thr Pro Thr Asn
  35                      40                      45

Lys Leu Lys Phe Tyr Pro Tyr Ser Asn Asn Lys Leu Thr Arg Ser Thr
  50                      55                      60

Gly Thr Leu Asn Leu Ser Leu Ser Asn Thr Ala Leu Ser Glu Ala Asn
  65                      70                      75                      80

Ser Lys Phe Leu Gly Lys Ile Glu Glu Glu Glu Glu Glu Glu Glu Glu
          85                      90                      95

Gly Lys Asp Glu Glu Ser Val Asp Ser Arg Ile Lys Arg Trp Ser Pro
          100                      105                      110

Phe His Glu Asn Glu Ser Val Thr Thr Pro Ile Thr Lys Arg Ser Ala
          115                      120                      125

Glu Lys Thr Asn Ser Pro Ile Ser Leu Lys Gln Trp Asn Gln Arg Trp
          130                      135                      140

Phe Pro Lys Asn Asp Ala Arg Thr Glu Asn Thr Ser Ser Ser Ser Ser
          145                      150                      155                      160

Tyr Ser Val Ala Lys Pro Asn Gln Ser Ala Phe Thr Ser Ser Gly Leu
          165                      170                      175

Val Ser Lys Met Ser Met Asp Thr Ser Leu Tyr Pro Ala Lys Leu Arg
          180                      185                      190

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Ile Pro Glu Thr Pro Val Lys Lys Ser Pro Leu Val Glu Gly Arg Asp
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 His Lys His Val His Leu Ser Ser Ser Lys Asn Ala Ser Ser Ser Leu
 210 215 220
 Ser Val Ser Pro Leu Asn Phe Val Glu Asp Asn Asn Leu Gln Glu Asp
 225 230 235 240
 Leu Leu Phe Ser Asp Ser Pro Ser Ser Lys Ala Leu Pro Ser Ile His
 245 250 255
 Val Pro Thr Ile Asp Ser Ser Pro Leu Ser Glu Ala Lys Tyr His Ala
 260 265 270
 His Asp Arg His Asn Asn Gln Thr Asn Ile Leu Ser Pro Thr Asn Ser
 275 280 285
 Leu Val Thr Asn Ser Ser Pro Gln Thr Leu His Ser Asn Lys Phe Lys
 290 295 300
 Lys Ile Lys Arg Ala Arg Asn Ser Val Ile Leu Lys Asn Arg Glu Leu
 305 310 315 320
 Thr Asn Ser Leu Gln Gln Phe Lys Asp Asp Leu Tyr Gly Thr Asp Glu
 325 330 335
 Asn Phe Pro Pro Pro Ile Ile Ile Ser Ser His His Ser Thr Arg Lys
 340 345 350
 Asn Pro Gln Pro Tyr Gln Phe Arg Gly Arg Tyr Asp Asn Asp Thr Asp
 355 360 365
 Glu Glu Ile Ser Thr Pro Thr Arg Arg Lys Ser Ile Ile Gly Ala Thr
 370 375 380
 Ser Gln Thr His Arg Glu Ser Arg Pro Leu Ser Leu Ser Ser Ala Ile
 385 390 395 400
 Val Thr Asn Thr Thr Ser Ala Glu Thr His Ser Ile Ser Ser Thr Asp
 405 410 415
 Ser Ser Pro Leu Asn Ser Lys Arg Arg Leu Ile Ser Ser Asn Lys Leu
 420 425 430
 Ser Ala Asn Pro Asp Ser His Leu Phe Glu Lys Phe Thr Asn Val His
 435 440 445
 Ser Ile Gly Lys Gly Gln Phe Ser Thr Val Tyr Gln Val Thr Phe Ala
 450 455 460
 Gln Thr Asn Lys Lys Tyr Ala Ile Lys Ala Ile Lys Pro Asn Lys Tyr
 465 470 475 480
 Asn Ser Leu Lys Arg Ile Leu Leu Glu Ile Lys Ile Leu Asn Glu Val
 485 490 495

Thr Asn Gln Ile Thr Met Asp Gln Glu Gly Lys Glu Tyr Ile Ile Asp
 500 505 510
 Tyr Ile Ser Ser Trp Lys Phe Gln Asn Ser Tyr Tyr Ile Met Thr Glu
 515 520 525
 Leu Cys Glu Asn Gly Asn Leu Asp Gly Phe Leu Gln Glu Gln Val Ile
 530 535 540
 Ala Lys Lys Lys Arg Leu Glu Asp Trp Arg Ile Trp Lys Ile Ile Val
 545 550 555 560
 Glu Leu Ser Leu Ala Leu Arg Phe Ile His Asp Ser Cys His Ile Val
 565 570 575
 His Leu Asp Leu Lys Pro Ala Asn Val Met Ile Thr Phe Glu Gly Asn
 580 585 590
 Leu Lys Leu Gly Asp Phe Gly Met Ala Thr His Leu Pro Leu Glu Asp
 595 600 605
 Lys Ser Phe Glu Asn Glu Gly Asp Arg Glu Tyr Ile Ala Pro Glu Ile
 610 615 620
 Ile Ser Asp Cys Thr Tyr Asp Tyr Lys Ala Asp Ile Phe Ser Leu Gly
 625 630 635 640
 Leu Met Ile Val Glu Ile Ala Ala Asn Val Val Leu Pro Asp Asn Gly
 645 650 655
 Asn Ala Trp His Lys Leu Arg Ser Gly Asp Leu Ser Asp Ala Gly Arg
 660 665 670
 Leu Ser Ser Thr Asp Ile His Ser Glu Ser Leu Phe Ser Asp Ile Thr
 675 680 685
 Lys Val Asp Thr Asn Asp Leu Phe Asp Phe Glu Arg Asp Asn Ile Ser
 690 695 700
 Gly Asn Ser Asn Asn Ala Gly Thr Ser Thr Val His Asn Asn Ser Asn
 705 710 715 720
 Ile Asn Asn Pro Asn Met Asn Asn Gly Asn Asp Asn Asn Asn Val Asn
 725 730 735
 Thr Ala Ala Thr Lys Asn Arg Leu Ile Leu His Lys Ser Ser Lys Ile
 740 745 750
 Pro Ala Trp Val Pro Lys Phe Leu Ile Asp Gly Glu Ser Leu Glu Arg
 755 760 765
 Ile Val Arg Trp Met Ile Glu Pro Asn Tyr Glu Arg Arg Pro Thr Ala
 770 775 780
 Asn Gln Ile Leu Gln Thr Glu Glu Cys Leu Tyr Val Glu Met Thr Arg
 785 790 795 800

Asn Ala Gly Ala Ile Ile Gln Glu Asp Asp Phe Gly Pro Lys Pro Lys
 805 810 815

Phe Phe Ile

<210> 159
 <211> 809
 <212> DNA
 <213> Candida albicans

<400> 159
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 ggaatgcctg tatgtagaaa tgacacgcaa tgcaggtgct attatccagg aagacgactt 180
 tggacctaag ccaaaatttt ttatatgata aatggaacaa aaaaccttgt tttatttaca 240
 tacttttttc ccacacgtgc ttatgggccg cattgtataa ataatccaat aacgaaaaag 300
 agtgtaatg cagtccggta gtaataccat gtaaaacctt agatgagttt attttaagta 360
 cagccgcttc aagcattttt atttttattt tacagatgta gcagataaca accgttaaata 420
 tatattatat atatatatat atatatatca aatacgacgt attacatata tattgagaat 480
 aaggggaagga tggaagacaa atgacaaaaa gtttgaagca taaatatgtt cttcgcttag 540
 atgttcactt tggttcttct ccagtttctt ctcttagcgt tgtaacggat agtgttggtg 600
 gttctcaatc tgatccattg tggcaatggt ctgttttgct tcttagcctt agccattttt 660
 tgcttgattc tgaaagactt ttgagcctaa ttaaaaggga aacatatcgt gcacatacga 720
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<210> 160
 <211> 102
 <212> PRT
 <213> Candida albicans

<400> 160
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 Val Gly Ser Gln Ser Asp Pro Leu Trp Gln Trp Ser Val Leu Leu Leu
 35 40 45
 Ser Leu Ser His Phe Leu Leu Asp Ser Glu Arg Leu Leu Ser Leu Ile
 50 55 60
 Lys Arg Glu Thr Tyr Arg Ala His Thr Lys Cys Thr Ile Val Lys Asn
 65 70 75 80
 Val Ser Asn Asn Val Gln Thr His Gln Tyr Asp Ala Phe Thr Asp Pro
 85 90 95
 Arg Gln Tyr His Leu Thr
 100

<210> 161
 <211> 1042
 <212> DNA
 <213> Candida albicans

<400> 161
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 agtatgtgat gtatgggagc acagtaccaa ttttaactttt tttttttttc attttttagc 180
 ttgatttttca aaaaacttat gggcggtttta ggctccggct caaactacca ccaccacgcg 240
 gcaggccgag gcaaacagta cgccttggcg gggacgccga agcgactcct tctgttccaa 300
 gctcaatggg ccttgcgttt acgctcgcgc gtgggctaac taacgcaatt cggcttttgg 360
 gctgtcgaga accgagaatt attcttcgcc ttgatagata ctttaaaact tctacttaat 420
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 ataaacacag atagatcaac atggctgtat gttagaaaga tattataaat cccagttaga 540
 tgctgaactg atcaatagca aattataaac cacatccatc taaatgacct taccacctac 600
 aatttggatt tgaaaatagaa gcaatgtgta aaatataggg aaaggattag gagtgttaac 660
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 gtctttcaga atcaagcaaa aaatggctaa ggctaagaag caaaacagac cattgccaca 960
 atggatcaga ttgagaacca acaacactat ccgttacaac gctaagagaa gaaactggag 1020
 aagaaccaag atgaacatct aa 1042

<210> 162
 <211> 51
 <212> PRT
 <213> Candida albicans

<400> 162
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 Lys Lys Gln Asn Arg Pro Leu Pro Gln Trp Ile Arg Leu Arg Thr Asn
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 Asn Thr Ile Arg Tyr Asn Ala Lys Arg Arg Asn Trp Arg Arg Thr Lys
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 Met Asn Ile
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<210> 163
 <211> 893
 <212> DNA
 <213> Candida albicans

<400> 163
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caaatattga ggacgcgcga ttaccagcgg catgtttact cgctggaaga tgtgaaataa 360
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ttatttcccc aagattcaac gttaagattg gtgacattga aaaatggact gccaaacttg 780
tgccagccag acaattcggg tacgtcatct tgaccacctc tgctgggtatc atggaccatg 840
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<210> 164

<211> 130

<212> PRT

<213> Candida albicans

<400> 164

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```

```

Ala Glu Lys Thr Gly Lys Arg Gln Val Leu Ile Arg Pro Ser Ser Lys
      20             25             30

```

```

Val Ile Ile Lys Phe Leu Gln Val Met Gln Lys His Gly Tyr Ile Gly
    35             40             45

```

```

Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln
    50             55             60

```

```

Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asn
    65             70             75             80

```

```

Val Lys Ile Gly Asp Ile Glu Lys Trp Thr Ala Asn Leu Leu Pro Ala
      85             90             95

```

```

Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp
    100            105            110

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His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe
    115            120            125

```

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Val Tyr
    130

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<210> 165

<211> 4265

<212> DNA

<213> Candida albicans

<400> 165

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<212> PRT

<213> Candida albicans

<400> 166

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Ser Ala Val Ser Ser Phe Ala Ser Ala Asn Glu Leu Ile Ala Glu Pro
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His Ala Ala Ser Glu Thr Asn Leu Gly Thr Asn Gly Gln Asp Gly Arg
      85              90              95

Asn Val Leu Glu Gln Gln Arg Asp Val Val Ala Arg Leu Ile Glu Glu
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Asn Lys Glu Thr Gln Lys Glu Gly Asp Lys Val Cys Ile Val Pro Lys
      115              120              125

Val Trp Tyr Asp Lys Phe Phe Asp Pro Asp Val Thr Asp Pro Glu Asp
      130              135              140

Ile Gly Pro Ile Asn Thr Arg Met Ile Cys Arg Asp Phe Glu Asn Phe
      145              150              155              160

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175

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Thr Asp Glu Glu Glu Asp Val Ser Asp Asp Met Ile Glu Cys Asn Glu
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<212> DNA

<213> Candida albicans

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<211> 881

<212> PRT

<213> Candida albicans

<400> 168

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Gln Thr Asp Glu Leu Gln Val Gly Asp Asn Glu Glu Gly Phe Gly Ala
 35             40             45

Gly Lys Ser Ser Asn Ile Thr Asp Arg Phe Lys Asn Lys Phe Ser Phe
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Lys Asn Ala Lys Glu Asp Thr Ser Ser Gly Met Asn Lys Asp Ala Gly
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Ser	Glu	Gln	Phe	Phe	Lys	Asp	Thr	Tyr	Ala	Phe	Gln	Ala	Glu	Thr	Ile	290	295	300
Glu	Leu	Leu	Asn	Ser	Lys	Ile	Ser	Gln	Leu	Val	Thr	Phe	Tyr	Ala	Arg	305	310	315
Ile	Thr	Asp	Arg	Pro	His	Asn	Ile	Ser	His	Ser	Lys	Gln	Glu	Leu	Lys	325	330	335
Ser	Tyr	Leu	His	Asp	His	Ile	Val	Trp	Glu	Arg	Ser	Asn	Thr	Trp	Lys	340	345	350
Asp	Met	Leu	Gly	Leu	Leu	Ser	Gln	Ala	Asp	Glu	Leu	Thr	Pro	Lys	Glu	355	360	365
Thr	Glu	Tyr	Asn	Ala	Asn	Lys	Leu	Val	Gly	Lys	Leu	Asp	Leu	Glu	Tyr	370	375	380

Tyr Arg Trp Pro Leu Pro Arg Pro Ile Asn Leu Lys Phe Thr Ser Ile
 385 390 395 400
 Asn Asn Val Ala Leu Pro Lys Leu Phe Phe Thr Lys Lys Ala Tyr Lys
 405 410 415
 Ile Tyr Phe Ile Ile Leu Val Thr Gly Leu Leu Leu Gly Ile Lys Thr
 420 425 430
 Phe Asn Asp Ala Ala Gln His Arg Cys Met Ala Leu Val Glu Cys Val
 435 440 445
 Ala Phe Leu Trp Ala Ser Glu Ala Ile Pro Leu His Ile Thr Ala Phe
 450 455 460
 Leu Val Pro Leu Leu Val Val Leu Phe Lys Val Leu Lys Thr Ser Asp
 465 470 475 480
 Gly Ala Ile Met Ser Ala Ala Ser Ala Ser Ser Glu Ile Leu Ala Ala
 485 490 495
 Met Trp Ser Ser Thr Ile Met Ile Leu Leu Ala Gly Phe Thr Leu Gly
 500 505 510
 Glu Val Leu Ala Gln Tyr Asn Ile Ala Lys Val Leu Ala Ser Trp Leu
 515 520 525
 Leu Ala Phe Ala Gly Cys Lys Pro Arg Asn Val Leu Leu Met Ala Met
 530 535 540
 Cys Val Val Phe Phe Leu Ser Met Trp Ile Ser Asn Val Ala Ala Pro
 545 550 555 560
 Val Leu Thr Tyr Ser Leu Leu Ser Pro Leu Leu Asp Ala Met Asp Ala
 565 570 575
 Asp Ser Pro Phe Ala Gln Ala Leu Val Leu Gly Val Ala Leu Ala Ala
 580 585 590
 Asn Ile Gly Gly Met Ser Ser Pro Ile Ser Ser Pro Gln Asn Ile Ile
 595 600 605
 Ser Met Ser Tyr Leu Lys Pro Tyr Gly Ile Gly Trp Gly Gln Phe Phe
 610 615 620
 Ala Val Ala Leu Pro Ser Gly Ile Leu Ala Met Leu Leu Val Trp Ile
 625 630 635 640
 Leu Leu Phe Thr Thr Phe Lys Met Asn Lys Thr Lys Leu Glu Lys Phe
 645 650 655
 Lys Pro Ile Lys Thr Lys Phe Thr Val Lys Gln Tyr Tyr Ile Ile Thr
 660 665 670
 Val Thr Val Ala Thr Ile Leu Leu Trp Cys Val Glu Ser Gln Ile Glu
 675 680 685

Gly Ala Phe Gly Ser Ser Gly Gln Ile Ala Ile Ile Pro Ile Val Leu
 690 695 700
 Phe Phe Gly Thr Gly Leu Leu Ser Thr Gln Asp Leu Asn Ala Phe Pro
 705 710 715 720
 Trp Ser Ile Val Ile Leu Ala Met Gly Gly Ile Ala Leu Gly Lys Ala
 725 730 735
 Val Ser Ser Ser Gly Leu Leu Ser Thr Ile Ala Lys Ala Leu Gln Lys
 740 745 750
 Lys Ile Glu Asn Asp Gly Val Phe Ala Ile Leu Cys Ile Phe Gly Ile
 755 760 765
 Leu Met Leu Val Val Gly Thr Phe Val Ser His Thr Val Ser Ala Ile
 770 775 780
 Ile Ile Ile Pro Leu Val Gln Glu Val Gly Asp Lys Leu Gly Asn Pro
 785 790 795 800
 Lys Ala Ala Pro Ile Leu Val Phe Gly Cys Ala Leu Leu Ser Ser Cys
 805 810 815
 Gly Met Gly Leu Ala Ser Ser Gly Phe Pro Asn Val Thr Ala Ile Ser
 820 825 830
 Lys Val Asp Arg Lys Gly Asp Arg Tyr Leu Ser Val Met Thr Phe Leu
 835 840 845
 Thr Arg Gly Val Pro Ala Ser Ile Leu Ala Phe Leu Cys Val Ile Thr
 850 855 860
 Leu Gly Tyr Gly Ile Met Ala Ser Val Val Lys Gly Asn Ala Thr Ser
 865 870 875 880
 Ala

<210> 169
 <211> 2093
 <212> DNA
 <213> Candida albicans

<400> 169
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 gcatttcatt taaagacgga tcatatattc ttgtgctttt ttgttttatc tctttactta 120
 cttgtcgctt ccattcggtg gcctctttta tggattttac cttagacacg ttcctggggc 180
 tctggtaacg tgaataatcc ttgtatccac ctgccgactc tgcttgctgc tcttgaaatc 240
 gtaccagaac tgagttggcc ttatctacat ttctactcat tttgaatgca caggatatctg 300
 attactgatg tgggtgcgct tgcgatataa cgggtgtgtca cttttatttg ctctttcatg 360
 catcctgaaa ttatttcacc gcactacgca aagagaacgg agaaaaaggt ataatagggc 420
 aaatgatcat tgacatcggt atcgtaagcc aaaaaaaaaat acaataggct ccctaaataa 480
 gtagagtaaa agctcttgag atgaaggaga atgacatgaa taatggcgta gataaatggg 540

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taaatgagga agatgggtcga aatgatcatc ataacaacaa taataacttg atgaagaagg 600
ccatgatgaa caatgagcaa attgatagaa ctccaggatat cgacaacgcc aaagaaatgt 660
tgaggaaaaat atcaagtgaag agcagctcgc gcagaagctc cctgttgaat aaagattcat 720
ctctcgtgaa cggcaatgca aacagtggcg gtggtacgag cattaacgga acaagaggaa 780
gttctaagag tagtaataca cactttcagt atgcctccac ggcgtatggt gtaagaatgt 840
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tgattgctgc tactccgact gggtcacagg cctattcttt gagtgcagggt gggtcatttg 1560
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gacccatcat cttaccagaa agtataaatt taaaagtga agtctcgatg aagtcaaggg 1680
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aagcagaacc tttagaggta ataagagata aatactctct ggaagcagac gctactaagg 1980
aaaacaacaa cggaagcgat gatgagagcg acgatgagag tgtaaactgc gaagcttgca 2040
aattaaagcc ttcgagcgct ccaaaacctt ctcaagcaag gttttcagta taa 2093

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<210> 170

<211> 530

<212> PRT

<213> Candida albicans

<400> 170

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Met Lys Glu Asn Asp Met Asn Asn Gly Val Asp Lys Trp Val Asn Glu
  1             5             10             15

Glu Asp Gly Arg Asn Asp His His Asn Asn Asn Asn Asn Leu Met Lys
          20             25             30

Lys Ala Met Met Asn Asn Glu Gln Ile Asp Arg Thr Gln Asp Ile Asp
          35             40             45

Asn Ala Lys Glu Met Leu Arg Lys Ile Ser Ser Glu Ser Ser Ser Arg
          50             55             60

Arg Ser Ser Leu Leu Asn Lys Asp Ser Ser Leu Val Asn Gly Asn Ala
          65             70             75             80

Asn Ser Gly Gly Gly Thr Ser Ile Asn Gly Thr Arg Gly Ser Ser Lys
          85             90             95

Ser Ser Asn Thr His Phe Gln Tyr Ala Ser Thr Ala Tyr Gly Val Arg
          100            105            110

Met Leu Ser Lys Asp Ile Ser Asn Thr Lys Val Glu Leu Asp Val Glu
          115            120            125

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Asn	Leu	Met	Ile	Val	Thr	Lys	Leu	Asn	Asp	Val	Ser	Leu	Tyr	Phe	Leu	130	135	140
Thr	Arg	Glu	Leu	Val	Glu	Trp	Val	Leu	Val	His	Phe	Pro	Arg	Val	Thr	145	150	155
Val	Tyr	Val	Asp	Ser	Glu	Leu	Lys	Asn	Ser	Lys	Lys	Phe	Ala	Ala	Gly	165	170	175
Glu	Leu	Cys	Glu	Asp	Ser	Lys	Cys	Arg	Glu	Ser	Arg	Ile	Lys	Tyr	Trp	180	185	190
Thr	Lys	Asp	Phe	Ile	Arg	Glu	His	Asp	Val	Phe	Phe	Asp	Leu	Val	Val	195	200	205
Thr	Leu	Gly	Gly	Asp	Gly	Thr	Val	Leu	Phe	Val	Ser	Ser	Ile	Phe	Gln	210	215	220
Arg	His	Val	Pro	Pro	Val	Met	Ser	Phe	Ser	Leu	Gly	Ser	Leu	Gly	Phe	225	230	235
Leu	Thr	Asn	Phe	Lys	Phe	Glu	His	Phe	Arg	Glu	Asp	Leu	Pro	Arg	Ile	245	250	255
Met	Asn	His	Lys	Ile	Lys	Thr	Asn	Leu	Arg	Leu	Arg	Leu	Glu	Cys	Thr	260	265	270
Ile	Tyr	Arg	Arg	His	Arg	Pro	Glu	Val	Asp	Pro	Asn	Thr	Gly	Lys	Lys	275	280	285
Ile	Cys	Val	Val	Glu	Lys	Leu	Ser	Thr	His	His	Ile	Leu	Asn	Glu	Val	290	295	300
Thr	Ile	Asp	Arg	Gly	Pro	Ser	Pro	Phe	Leu	Ser	Met	Leu	Glu	Leu	Tyr	305	310	315
Gly	Asp	Gly	Ser	Leu	Met	Thr	Val	Ala	Gln	Ala	Asp	Gly	Leu	Ile	Ala	325	330	335
Ala	Thr	Pro	Thr	Gly	Ser	Thr	Ala	Tyr	Ser	Leu	Ser	Ala	Gly	Gly	Ser	340	345	350
Leu	Val	Cys	Pro	Thr	Val	Asn	Ala	Ile	Ala	Leu	Thr	Pro	Ile	Cys	Pro	355	360	365
His	Ala	Leu	Ser	Phe	Arg	Pro	Ile	Ile	Leu	Pro	Glu	Ser	Ile	Asn	Leu	370	375	380
Lys	Val	Lys	Val	Ser	Met	Lys	Ser	Arg	Ala	Pro	Ala	Trp	Ala	Ala	Phe	385	390	395
Asp	Gly	Lys	Asp	Arg	Ile	Glu	Leu	Gln	Lys	Gly	Asp	Phe	Ile	Thr	Ile	405	410	415
Cys	Ala	Ser	Pro	Tyr	Ala	Phe	Pro	Thr	Val	Glu	Ala	Ser	Pro	Asp	Glu	420	425	430

Phe Ile Asn Ser Ile Ser Arg Gln Leu Asn Trp Asn Val Arg Glu Gln
 435 440 445
 Gln Lys Ser Phe Thr His Ile Leu Ser Gln Lys Asn Gln Glu Lys Tyr
 450 455 460
 Ala His Glu Ala Asn Lys Val Arg Asn Gln Ala Glu Pro Leu Glu Val
 465 470 475 480
 Ile Arg Asp Lys Tyr Ser Leu Glu Ala Asp Ala Thr Lys Glu Asn Asn
 485 490 495
 Asn Gly Ser Asp Asp Glu Ser Asp Asp Glu Ser Val Asn Cys Glu Ala
 500 505 510
 Cys Lys Leu Lys Pro Ser Ser Val Pro Lys Pro Ser Gln Ala Arg Phe
 515 520 525
 Ser Val
 530

<210> 171
 <211> 1255
 <212> DNA
 <213> Candida albicans

<400> 171
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 tattacctat tggcattcat ttgtgttcta tatgtggatg aggatagccg cctttcttct 180
 catcggaggc catatcatct ttcgacaatc ctttttaaat actatttcca tccgtgcctc 240
 taatagattt gtgtagtgtg ctgggtgcaa tctttccatt ttgctgaac tttttttttt 300
 ttttcatggt tttcagattc tgaagtaccg caataggata tggcggataa tccgccatat 360
 gatccgcctc atactagcca ttaccatct atcccaggca ttatgggtat gcaactcata 420
 atctcaaata cacaaataag agcaacctta tatatcactt tttcccgttc agcaagagggt 480
 aaagccacca aaggttcaaa atgcaaattg atgttacggc gaatacagaa tactatgttc 540
 gaaataatat gaggattata cgatagcaaa aaagccataa acgaaagaca taaatggaaa 600
 atgattgaca agctcacaat ttattaaaca agtagcaatt gagaaaaact attactcgcg 660
 gcaagcttct gagtttacct taaatctgta gagcaaattg aaaatgtcgc atatgtgctg 720
 aagggtttgt ttgttccatc ttattttgca taacatagtt atatttactt ggtcgcataa 780
 aaaatatttt ttactaacgt gaagtttctt tctttatgat gtacgcacgc acgtctgtgc 840
 ttactccata aatgaactta ttccaatttt gtacagcttc gttaagactt tgactggtaa 900
 gaccatcact ttggaagttg aatcttctga caccattgac aatgtcaagt ccaagatcca 960
 agacaaggaa ggtatcccac ctgaccaaca aagattgatc ttgctggtta agcaattgga 1020
 agacggtaga actctatctg actacaacat ccaaaaggaa tccactttac atttgggtctt 1080
 gagattaaga ggtggtatca ttgaaccatc tttgaaagcc ttggcttcca aatacaactg 1140
 tgacaaatct gtttgtcgta aatgttacgc cagattacca ccaagagcta ccaactgtag 1200
 aaagagaaa ggtggtcaca ccaaccaatt gcgtccaaag aagaagttga aataa 1255

<210> 172
 <211> 128
 <212> PRT
 <213> Candida albicans

<400> 172

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Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu
 1             5             10             15

Val Glu Ser Ser Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp
          20             25             30

Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
 35             40             45

Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
 50             55             60

Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Ile Ile Glu Pro
 65             70             75             80

Ser Leu Lys Ala Leu Ala Ser Lys Tyr Asn Cys Asp Lys Ser Val Cys
          85             90             95

Arg Lys Cys Tyr Ala Arg Leu Pro Pro Arg Ala Thr Asn Cys Arg Lys
          100             105             110

Arg Lys Cys Gly His Thr Asn Gln Leu Arg Pro Lys Lys Lys Leu Lys
          115             120             125

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<210> 173

<211> 1175

<212> DNA

<213> Candida albicans

<400> 173

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aatatattag gtcaagggtc ttgcgaggtg taagaaaacc cgtgggtctcc atattcttaa 180
gtatgataaa taaaaaaaaa cttaataaat tattaattgc ttcaaaccct tttctttttt 240
tagtttttaa tatttcaaac gttatcttca ttgaacgccc aaatagggaa aaatcctggc 300
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aaaagacact ctcaatcgag aaagtttatt ctttgttatt ctgctttacc tgatcatatt 420
cgggcgtatt gtttctaate aagtgatttc gatatccagt tacgaaccat ttacaacatt 480
cctgaaaata ttgcgtatca atgatatttg ctcttcttt ctccctcatt aaaaatattc 540
tcctggtaag ctttctaate agccacaggt ttgctgccaa aactttaacg tctagttcca 600
atgacgatac acttgccagg tccgcagctg cagatgcaga catggcattc ttcatggagt 660
ttttaaacga tttcgacacc gttttccac agtatacctc atacatgatg caaaaccatt 720
taaccctacc tcaacctgtt gctgactact actatcacat gggtgatttg gcctcaacag 780
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tttccatggc taatgaagaa aacagtacaa cagcacttat atccgcatca aactcttctt 1080
caacatccag aactagtcaa tcacagaatg gtgcccatgc caaaagctta tatttcccca 1140
tggcgttggt cggaatcttt gcagttgccc ttttaa 1175

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184

<210> 174
 <211> 224
 <212> PRT
 <213> Candida albicans

<400> 174

Met Ile Phe Ala Pro Ser Phe Ser Leu Ile Lys Asn Ile Leu Leu Val
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 Ser Phe Leu Ile Ser His Ser Phe Ala Ala Lys Thr Leu Thr Ser Ser
 20 25 30
 Ser Asn Asp Asp Thr Leu Ala Arg Ser Ala Ala Ala Asp Ala Asp Met
 35 40 45
 Ala Phe Phe Met Glu Phe Leu Asn Asp Phe Asp Thr Ala Phe Pro Gln
 50 55 60
 Tyr Thr Ser Tyr Met Met Gln Asn His Leu Thr Leu Pro Gln Pro Val
 65 70 75 80
 Ala Asp Tyr Tyr Tyr His Met Val Asp Leu Ala Ser Thr Ala Asp Leu
 85 90 95
 Gln Ser Asp Ile Ala Gln Ser Phe Pro Phe Thr Gln Phe Gln Thr Phe
 100 105 110
 Ile Thr Ala Phe Pro Trp Tyr Thr Ser Leu Leu Asn Lys Ala Ser Ala
 115 120 125
 Thr Thr Ile Tyr Leu Pro Gln His Phe Ile Thr Gly Glu Thr Glu Ala
 130 135 140
 Thr Met Thr Asn Ser Ser Tyr Ala Ser Gln Lys Asn Ser Val Ser Asn
 145 150 155 160
 Ser Val Pro Phe Ser Thr Ala Asn Ala Gly Gln Ser Met Ile Ser Met
 165 170 175
 Ala Asn Glu Glu Asn Ser Thr Thr Ala Leu Ile Ser Ala Ser Asn Ser
 180 185 190
 Ser Ser Thr Ser Arg Thr Ser Gln Ser Gln Asn Gly Ala His Ala Lys
 195 200 205
 Ser Leu Tyr Phe Pro Met Ala Leu Phe Gly Ile Phe Ala Val Ala Leu
 210 215 220

<210> 175
 <211> 1618

<212> DNA

<213> *Candida albicans*

<400> 175

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tacctatttc ttaaaggcct ttgtcacttc tttatgggaa tggcgctact ttaattttcc 180
gcctactttg aaaaatttac caaggcgaaa ttgagtgcgc taggcggaag ttccagggca 240
cggtcaccga acctttgtgc tgtttcgaac gaggggtccc ctggagggtg acggacgcgg 300
gaggagctgg aaagatggaa tggaaggact gcaacactca gtaagaaggt tcgtggtagg 360
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<210> 176

<211> 252

<212> PRT

<213> *Candida albicans*

<400> 176

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Met Ser Leu Pro Ala Thr Phe Asp Leu Thr Pro Glu Asp Ala Gln Leu
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Leu Leu Ala Ala Asn Thr His Leu Gly Ala Arg Asn Val Gln Val His
      20              25              30

Gln Glu Pro Tyr Val Phe Asn Ala Arg Pro Asp Gly Val His Val Ile
      35              40              45

Asn Val Gly Lys Thr Trp Glu Lys Leu Val Leu Ala Ala Arg Ile Ile
      50              55              60

Ala Ala Ile Pro Asn Pro Glu Asp Val Val Ala Ile Ser Ser Arg Thr
      65              70              75              80

Tyr Gly Gln Arg Ala Val Leu Lys Phe Ala Ala His Thr Gly Ala Thr
      85              90              95

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Pro Ile Ala Gly Arg Phe Thr Pro Gly Ser Phe Thr Asn Tyr Ile Thr
 100 105 110
 Arg Ser Phe Lys Glu Pro Arg Leu Val Ile Val Thr Asp Pro Arg Leu
 115 120 125
 Asp Ala Gln Ala Ile Lys Glu Ala Ser Tyr Val Asn Ile Pro Val Ile
 130 135 140
 Ala Leu Thr Asp Leu Asp Ser Pro Ser Glu Phe Val Asp Val Ala Ile
 145 150 155 160
 Pro Cys Asn Asn Arg Gly Lys His Ser Ile Gly Leu Ile Trp Tyr Leu
 165 170 175
 Leu Ala Arg Glu Val Leu Arg Leu Arg Gly Ala Leu Val Asp Arg Thr
 180 185 190
 Gln Pro Trp Ser Ile Met Pro Asp Leu Tyr Phe Tyr Arg Asn Pro Glu
 195 200 205
 Glu Val Glu Gln Val Ala Glu Glu Ala Ala Ala Ala Glu Glu Gly Glu
 210 215 220
 Glu Glu Glu Val Lys Glu Glu Val Thr Glu Gly Gln Ala Glu Ala Thr
 225 230 235 240
 Glu Trp Ala Glu Glu Asn Ala Asp Asn Val Glu Trp
 245 250

<210> 177

<211> 2345

<212> DNA

<213> Candida albicans

<400> 177

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 tccatgcttg ctaacttatt accgtcaata gaagacttga gtcaggtggc tttaatgagt 180
 actattcttt ttttttttcc aaagagcact atgttgataa taccgcagta attttttttg 240
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 ggagtttggc ttccctctat ttgtatattg atcgccatcc ctacgaagtt attgggaacg 360
 catcgtgaac ctctcacttt aatgccagcg gtagaaaaaa aagtcataaa caatacacgc 420
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 acgcgtataa tacaccaaga atggccttat tggagaagtt gcacgaagg attgttgata 540
 tggggcttgt cccgcgtata atcgcccttat taccagttat ttccatgcta tgcgctctat 600
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 aacaatatgg agaaacattg tacggtgtaa tgcacgctcc taggggtgat ggaacagaag 900
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 ctttgggtgt atcttttagca agatttttct cacgttggcc agtatgggtcc aagaatataa 1020
 ttgttgctct cagcgaaaat cctcgtgcag cattaagatc atgggttgag gcataccata 1080
 cttccttaga ttgactgggt ggttccattg aagctgctgt tgtgttgat tattcgagta 1140


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<210> 178

<211> 614

<212> PRT

<213> Candida albicans

<400> 178

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Met Ala Leu Leu Glu Lys Leu His Arg Arg Ile Val Asp Met Gly Leu
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Val Pro Arg Ile Ile Ala Leu Leu Pro Val Ile Ser Met Leu Cys Ala
                20                      25                      30

Leu Phe Gly Phe Ile Ser Ile Ala Ile Leu Pro Met Asp Gly Gln Tyr
    35                      40                      45

Arg Arg Thr Tyr Ile Ser Glu Asn Ala Leu Met Pro Ser Gln Ala Tyr
    50                      55                      60

Ser Tyr Phe Arg Glu Ser Glu Trp Asn Ile Leu Arg Gly Tyr Arg Ser
    65                      70                      75                      80

Gln Ile Lys Glu Met Val Asn Met Thr Ser Met Glu Arg Asn Asn Leu
                85                      90                      95

Met Gly Ser Trp Leu Gln Glu Phe Gly Thr Lys Thr Ala Ile Tyr Glu
    100                      105                      110

Asn Glu Gln Tyr Gly Glu Thr Leu Tyr Gly Val Met His Ala Pro Arg
    115                      120                      125

Gly Asp Gly Thr Glu Ala Met Val Leu Ala Val Pro Trp Phe Asn Ser
    130                      135                      140

Asp Asp Glu Phe Asn Ile Gly Gly Ala Ala Leu Gly Val Ser Leu Ala

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145		150		155		160
Arg Phe Phe Ser	Arg Trp Pro Val	Trp Ser Lys Asn Ile	Ile Val Val			
	165		170		175	
Phe Ser Glu Asn	Pro Arg Ala Ala	Leu Arg Ser Trp	Val Glu Ala Tyr			
	180		185		190	
His Thr Ser Leu	Asp Leu Thr Gly	Gly Ser Ile Glu	Ala Ala Val Val			
	195		200		205	
Leu Asp Tyr Ser	Ser Thr Glu Asp	Phe Phe Glu Tyr	Val Glu Ile Ser			
	210		215		220	
Tyr Asp Gly Leu	Asn Gly Glu Leu	Pro Asn Leu Asp	Leu Val Asn Ile			
	225		230		235	
Ala Ile Ser Ile	Thr Glu His Glu	Gly Met Lys Val	Ser Leu His Gly			
	245		250		255	
Leu Pro Ser Asp	Gln Leu Thr Asn	Asn Asn Phe Trp	Ser Arg Leu Lys			
	260		265		270	
Ile Leu Cys Leu	Gly Ile Arg Asp	Trp Ala Leu Ser	Gly Val Lys Lys			
	275		280		285	
Pro His Gly Asn	Glu Ala Phe Ser	Gly Trp Arg Ile	Gln Ser Val Thr			
	290		295		300	
Leu Lys Ala His	Gly Asn Ser Gly	His Asp Ile Thr	Thr Phe Gly Arg			
	305		310		315	
Ile Pro Glu Ala	Met Phe Arg Ser	Ile Asn Asn Leu	Leu Glu Lys Phe			
	325		330		335	
His Gln Ser Phe	Phe Phe Tyr Leu	Leu Leu Ala Pro	Arg Gln Phe Val			
	340		345		350	
Ser Ile Ser Ser	Tyr Leu Pro Ser	Ala Val Ala Leu	Ser Ile Ala Phe			
	355		360		365	
Ala Ile Ser Ser	Leu Asn Ala Phe	Ile Asn Asn Ala	Tyr Ala Asn Ile			
	370		375		380	
Ser Leu Phe Ser	Glu Tyr Asn Leu	Val Ala Leu Leu	Val Trp Phe Val			
	385		390		395	
Ser Leu Val Ile	Ser Phe Val Val	Ser Gln Ala Phe	Leu Leu Ile Pro			
	405		410		415	
Ser Ser Gly Leu	Leu Leu Met Thr	Ile Ser Met Ala	Ser Cys Phe Leu	Pro		
	420		425		430	
Leu Ile Leu Ser	Arg Lys Ile His	Ile Ser Glu Pro	Leu Ser Tyr Arg			
	435		440		445	
Leu Lys Asn Val	Ala Phe Leu Tyr	Phe Ser Leu Val	Ser Thr Ser Leu			

189

450	455	460
Leu Met Ile Asn Phe	Ala Met Ala Leu Leu Ile Gly Thr Leu Ala Phe	
465	470	475 480
Pro Met Thr Phe Val Lys Thr Ile Val Glu Ser Ser Ser Glu His Glu		
	485 490 495	
Val Thr Thr Gln Ser Ser Asn Pro Ile Lys Thr Glu Pro Lys Asp Glu		
	500 505 510	
Ile Glu Leu Val Glu Asn His Met Asp Thr Thr Pro Ala Thr Pro Gln		
	515 520 525	
Gln Gln Lys Gln Lys Leu Lys Asn Leu Val Leu Leu Ile Leu Thr Asn		
	530 535 540	
Pro Phe Ile Ser Ile Thr Leu Phe Gly Leu Phe Phe Asp Asp Glu Phe		
	545 550 555 560	
His Gly Phe Asp Ile Ile Asn Lys Leu Val Ser Ala Trp Leu Asp Leu		
	565 570 575	
Lys Cys Trp Ser Trp Phe Val Leu Cys Ile Gly Trp Leu Pro Cys Trp		
	580 585 590	
Leu Leu Ile Leu Ala Ser Ser Phe Glu Ser Lys Ser Val Val Val Arg		
	595 600 605	
Ser Lys Glu Lys Gln Ser		
610		

<210> 179
 <211> 845
 <212> DNA
 <213> Candida albicans

<400> 179

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ttagcaatgt	aattatatta	aaaagatctt	cagtcactat	gagtgggtga	ttgccccata	180
gagagctata	agccgacgtg	aaagctgctg	gttccagctt	ggctcatgtc	gtcaccagtc	240
actagtcact	tggtcgcat	cattgctact	catctgcgag	tgagcatatt	tgagatctga	300
cttgccaagg	gattagaatc	acgtaagact	cttgatcctt	agaagatatt	tctgacaaaag	360
aaccacctaa	gccatgcaag	tttttttttt	catttggtgg	cgaaacaaaag	gtgatgaaaag	420
tttcttcttg	tacaaacgcc	aagcccgata	ggtgagacaa	ttcttgaagt	aatggacctc	480
tgagtaagca	tatcagtcga	atgaagttcc	aatatgcgtt	ggccaaggaa	cagctaggca	540
gcaactcgcg	cagtggcgct	aaaaaactaa	taagtaaaca	ccactggctt	ccggaatact	600
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agaccctccg	ttcgcaaccg	tgtctctgtg	tttcatcact	atatgcacgc	tctttccaaa	780
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cctaa						845

190

<210> 180
 <211> 114
 <212> PRT
 <213> Candida albicans

<400> 180
 Met Lys Phe Gln Tyr Ala Leu Ala Lys Glu Gln Leu Gly Ser Asn Ser
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 Arg Ser Gly Val Lys Lys Leu Ile Ser Lys His His Trp Leu Pro Glu
 20 25 30
 Tyr Tyr Phe Ser Asp Leu Ser Phe Ser Val Val Gln Gln Trp Asp Ser
 35 40 45
 Arg Ala Ile Glu Lys Thr Thr Ile Ile Ser Cys Met Arg Pro Ala Asn
 50 55 60
 Gln Glu Ile Tyr Pro Leu Arg His Cys Glu Thr Leu Arg Ser Gln Pro
 65 70 75 80
 Cys Ser Leu Phe Ser Ser Leu Tyr Ala Arg Ser Phe Gln Ser Ser Cys
 85 90 95
 Thr Leu His Val Ala Glu Pro Ser Pro Gly Phe His Met Tyr Gly Cys
 100 105 110

His Thr

<210> 181
 <211> 959
 <212> DNA
 <213> Candida albicans

<400> 181
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 atcgataata aatattctac aaaaccttta tcaatagtgg tgaagtcttt agtgcgatct 180
 acctgggggtt aatgaacgag aagttcttga gatattcttc ctgtttacct ccgtgcatcc 240
 tgtaagggaat tgggtttatc atttatcatt tatttttagta caaacttttt tttttggccc 300
 gggcgcaactt tttcaagcgg tgggaactca tcaaaatgaa aaactagata ctttttagact 360
 tattaaatgg tttaaatatt ttgagatggt cgttatatca gaaacttcct tacttctatc 420
 ttttattcca atacaaagaa gtcacaagat tacttggtta gaaagaagca gtttaattttt 480
 aatttttgccg acaagccaag atgcaaattt tctgcaagac tttaaccggt aagactatta 540
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 aaggtattcc acctgacca caaagattga tctttgctgg taagcaattg gaagatggta 660
 gaactttgtc cgactacaac atccaaaagg aatctactct acacttggtc ttgagattga 720
 gagggtggtg taagaagaga aagaagaagg tctacaccac ccaaagaag atcaagcaca 780
 agcacagaaa ggtcaagttg gctgtcttgt cctactacaa ggtcgatgct gaaggtaagg 840
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<210> 182

191

<211> 152
 <212> PRT
 <213> Candida albicans

<400> 182
 Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu
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 20 25 30
 Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
 35 40 45
 Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
 50 55 60
 Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Gly Lys Lys Arg
 65 70 75 80
 Lys Lys Lys Val Tyr Thr Thr Pro Lys Lys Ile Lys His Lys His Lys
 85 90 95
 Lys Val Lys Leu Ala Val Leu Ser Tyr Tyr Lys Val Asp Ala Glu Gly
 100 105 110
 Lys Val Thr Lys Leu Arg Arg Glu Cys Ser Asn Pro Thr Cys Gly Ala
 115 120 125
 Gly Val Phe Leu Ala Asn His Lys Asp Arg Leu Tyr Cys Gly Lys Cys
 130 135 140
 His Ser Val Tyr Lys Val Asn Ala
 145 150

<210> 183
 <211> 848
 <212> DNA
 <213> Candida albicans

<400> 183
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 caaccaatat gtcggggaat tgggtgggcaa atgaggtgat tcggccaata tcgaaatatt 180
 gccccgtgta atactgaaca cctgacaaac agaccagcgc caattcatct tgatttacct 240
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 aatagtctga tggaaaggag cccttttcaa aaaggatctt gaatcttttc tcagtagggt 420
 tataaaacgt aattaacaat gaattcaaat ttgcagtga actattcatt actgcaactt 480
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 cccaaggcac ctttctctcg gcttcttcag gatgtttgaa atgcgattcc acagcacaat 600
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 aagaattccc gcataagtac gtcacaggct tatcgtcgga cgatagtcct atggatttaa 720
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cgtattga

848

<210> 184

<211> 115

<212> PRT

<213> Candida albicans

<400> 184

Met Gly Ala Ser Ser Gly Arg Ile Gly Lys Ser Met Leu Thr Gln Gly
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Thr Phe Pro Leu Ala Ser Ser Gly Cys Leu Lys Cys Asp Ser Thr Ala
 20 25 30

Gln Ser Leu His Ala Ser Ser Ser Ala Leu Ile Glu Phe Leu Val Asp
 35 40 45

Phe Gly Ile Lys Pro Lys Glu Phe Pro His Lys Tyr Val Thr Gly Leu
 50 55 60

Ser Ser Asp Asp Ser Pro Met Asp Leu Asn Val Gly Met Leu Asn Ser
 65 70 75 80

Ser Leu Arg Asp Ser Gly Tyr Ser Pro Ser Asn Ser Lys Ala Phe Ser
 85 90 95

Ile Ile Thr Ser Leu Phe Leu Phe Ser Thr Glu Tyr Leu Gly Leu Ile
 100 105 110

Cys Thr Tyr
 115

<210> 185

<211> 2600

<212> DNA

<213> Candida albicans

<400> 185

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 atgaaatcat agttctttac atacatgtag ccggaatccc ttgaagttga tctgcctcct 180
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 cctgtatgat ccgaccggtt ttagcaaact tatcagggga aaaagtatat tccattaaat 480
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 aaaatgcata tatcacgttc agatgcttcc tggatggaat acatcgcaaa tctactaggt 660
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 attactatga catcatcgaa cacctatgcy caaagtagca tatgaattcc gttattttcaa 960

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<210> 186

<211> 699

<212> PRT

<213> Candida albicans

<400> 186

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 20              25              30

Asp Glu Asn Ala Tyr Ile Thr Phe Arg Cys Phe Leu Asp Gly Ile His
 35              40              45

Arg Lys Ser Thr Arg Phe Leu Glu Glu Leu Leu Leu Lys Gln Glu Asn
 50              55              60

Met Tyr His Asn Asn Asn Tyr Glu Arg Ile Asn Asp Ser Val Ile Pro
 65              70              75              80

Leu Val Leu Lys Leu Leu Trp Leu Gln Ile His Glu Pro Thr Leu Gln
 85              90              95

Trp Phe Glu His Trp Phe His Asp Ile Met Arg Leu Ser Asn Arg Arg
100              105              110

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Lys Phe Arg Val Phe Arg Ile Phe Gln Lys Lys Met Ile Gln Phe Phe
 115 120 125
 Lys Ile Thr His Arg Tyr Tyr Tyr Asp Ile Ile Glu His Leu Cys Ala
 130 135 140
 Lys Tyr Asp Met Asn Ser Val Ile Ser Asn Ala Leu Phe Ala Lys Leu
 145 150 155 160
 Asn Leu Met Gln Tyr Thr Asp Gly Leu Ser Thr His Glu Lys Ile Ile
 165 170 175
 Leu Asn Thr Ser Asn Pro Leu Thr Phe Ser Ile Val Ile Ser Leu Gln
 180 185 190
 Arg Cys Val Ile Asn Leu Gly Ser Thr His Phe Tyr Lys Thr Leu Leu
 195 200 205
 Asn Lys Pro Ser Asn Lys Pro Lys Ser Val Glu Gly Phe Glu Lys Ser
 210 215 220
 Ile Arg Tyr Leu Asn Ile Ala Ser Leu Tyr Leu Pro Ala Val Gly Asp
 225 230 235 240
 Thr Tyr Phe Gln Arg Ala Lys Ile Tyr Leu Ile Thr Gly Lys Phe Ser
 245 250 255
 Leu Tyr Phe Phe Glu Leu Val Arg Gly Ala Leu Val Arg Ile Pro Ser
 260 265 270
 Lys Cys Ala Leu Asn Asn Leu Lys Asp Phe Ile Leu Thr Pro Asp Phe
 275 280 285
 Pro Glu Arg Arg Arg Leu Met Lys Lys Leu Ala Ile Leu Val Ser Lys
 290 295 300
 Asp Leu Lys Gly Glu Lys Ser Phe Phe Glu Gly Gln Ile Val Leu Gln
 305 310 315 320
 Phe Leu Ser Ile Val Glu His Thr Leu Val Pro Gln Ser Trp Asn Ala
 325 330 335
 Ser Arg Ala Ser Asn Cys Trp Leu Leu Lys Glu His Leu Gln Met Ala
 340 345 350
 Ala Leu Lys Tyr His Ser Gly Asn Ile Asn Val Ile Leu Glu Asn Leu
 355 360 365
 Ala Ala Thr Met Gly Ser Phe Asp Leu Met Phe Thr Thr Arg Lys Ser
 370 375 380
 Lys Glu Gln Lys Asn Lys Leu Lys Tyr Ala Asp Leu Ser Glu Arg Gln
 385 390 395 400
 Val Phe Phe Leu Asp Leu Ser Phe Asp Phe Ile Ala Asn Ile Ile Asp
 405 410 415

195

Val	Val	Ile	Lys	Pro	Ser	Trp	Gln	Lys	Asn	Met	Glu	Asp	Phe	Arg	Tyr		
			420					425					430				
Leu	Ala	Ile	Ile	Arg	Leu	Leu	Met	Cys	Trp	Ile	Lys	Ser	Tyr	Arg	Ser		
		435					440					445					
Ile	Leu	Gln	Tyr	Thr	His	Arg	His	Arg	Lys	Phe	Cys	Thr	Ser	Phe	Ala		
		450				455					460						
Leu	Leu	Leu	Asn	Asp	Leu	Ile	Asn	Ser	Pro	Leu	Asn	Cys	Ser	Gly	Asn		
465					470					475					480		
Ile	Tyr	Ser	His	Arg	Pro	Lys	Arg	Ser	Tyr	Leu	Phe	Arg	Glu	Asp	Ile		
				485					490					495			
Ile	Phe	Arg	Glu	Phe	Ser	Cys	Ile	Asn	Phe	Ala	Leu	Thr	Asp	Phe	Asn		
			500					505					510				
Asp	Asp	Tyr	Val	Tyr	Asp	Ser	Pro	Asp	Met	Ile	Asn	Asn	Ile	Ile	Gly		
		515					520					525					
Cys	Pro	Thr	Leu	Thr	Lys	Val	Leu	Ser	Pro	Lys	Glu	Glu	Cys	Val	Leu		
		530				535					540						
Arg	Ile	Arg	Ser	Ile	Ile	Phe	Ser	Gly	Met	Lys	Phe	Leu	Glu	Lys	Asn		
545					550					555					560		
Asp	Thr	Gly	Val	Ile	Trp	Asn	Ala	Ser	Lys	Tyr	Lys	Phe	Asp	Leu	Ile		
				565					570					575			
Ser	Pro	Asn	Ile	Lys	Ile	Lys	Arg	Gln	Ile	Ala	Leu	Ser	Glu	Ile	Ser		
		580						585					590				
Ser	Lys	Ile	Asn	Val	Lys	Thr	Gln	Gln	Glu	Arg	Val	Val	Ser	Ser	Arg		
		595					600					605					
Lys	Val	Glu	Ala	Lys	Arg	Asp	Glu	Gln	Gln	Arg	Lys	Arg	Ala	Gly	Lys		
		610				615					620						
Ile	Ala	Val	Thr	Glu	Leu	Glu	Lys	Gln	Phe	Ala	Asn	Val	Arg	Arg	Thr		
625					630				635						640		
Lys	Lys	Leu	Ser	Pro	Leu	Pro	Glu	Lys	Asp	Gly	Val	Ser	Ser	Glu	Leu		
				645					650					655			
Val	Lys	His	Ala	Ala	Ser	Arg	Gly	Arg	Lys	Thr	Ile	Thr	Gly	Pro	Leu		
			660					665					670				
Ser	Ser	Asp	Phe	Leu	Ser	Tyr	Pro	Asp	Glu	Ala	Ile	Asp	Ala	Asp	Glu		
		675					680					685					
Asp	Ile	Thr	Val	Gln	Val	Pro	Asp	Thr	Pro	Thr							
		690				695											

<210> 187

<211> 2471
 <212> DNA
 <213> Candida albicans

<400> 187
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 ctgaacgtga tatatgcatt ttcacgcgat gtcaaccttg atgttagatg tttatccaga 180
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<210> 188
 <211> 656
 <212> PRT
 <213> Candida albicans

<400> 188
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 Met Tyr Val Lys Asn Tyr Asp Phe Met Phe Ser Gly Phe Pro Phe Ala
 35 40 45
 Arg Asn Gly Ala Asn Cys Glu Val Thr Met Thr Ser Val Ala Gly His
 50 55 60
 Leu Thr Gly Ile Asp Phe Ser His Asp Ser His Gly Trp Gly Lys Cys
 65 70 75 80
 Ala Ile Gln Glu Leu Phe Asp Ala Pro Leu Asn Glu Ile Met Asn Asn
 85 90 95
 Asn Gln Lys Lys Ile Ala Ser Asn Ile Lys Arg Glu Ala Arg Asn Ala
 100 105 110
 Asp Tyr Leu Met Ile Trp Thr Asp Cys Asp Arg Glu Gly Glu Tyr Ile
 115 120 125
 Gly Trp Glu Ile Trp Gln Glu Ala Lys Arg Gly Asn Arg Leu Ile Gln
 130 135 140
 Asn Asp Gln Val Tyr Arg Ala Val Phe Ser His Leu Glu Arg Gln His
 145 150 155 160
 Ile Leu Asn Ala Ala Arg Asn Pro Ser Arg Leu Asp Met Lys Ser Val
 165 170 175
 His Ala Val Gly Thr Arg Ile Glu Ile Asp Leu Arg Ala Gly Val Thr
 180 185 190
 Phe Thr Arg Leu Leu Thr Glu Thr Leu Arg Asn Lys Leu Arg Asn Gln
 195 200 205
 Ala Thr Met Thr Lys Asp Gly Ala Lys His Arg Gly Gly Asn Lys Asn
 210 215 220
 Asp Ser Gln Val Val Ser Tyr Gly Thr Cys Gln Phe Pro Thr Leu Gly
 225 230 235 240
 Phe Val Val Asp Arg Phe Glu Arg Ile Arg Asn Phe Val Pro Glu Glu
 245 250 255
 Phe Trp Tyr Ile Gln Leu Val Val Glu Asn Lys Asp Asn Gly Gly Thr
 260 265 270
 Thr Thr Phe Gln Trp Asp Arg Gly His Leu Phe Asp Arg Leu Ser Val
 275 280 285
 Leu Thr Phe Tyr Glu Thr Cys Ile Glu Thr Ala Gly Asn Val Ala Gln
 290 295 300
 Val Val Asp Leu Lys Ser Lys Pro Thr Thr Lys Tyr Arg Pro Leu Pro
 305 310 315 320

Leu Thr Thr Val Glu Leu Gln Lys Asn Cys Ala Arg Tyr Leu Arg Leu
 325 330 335
 Asn Ala Lys Gln Ser Leu Asp Ala Ala Glu Lys Leu Tyr Gln Lys Gly
 340 345 350
 Phe Ile Ser Tyr Pro Arg Thr Glu Thr Asp Thr Phe Pro His Ala Met
 355 360 365
 Asp Leu Lys Ser Leu Val Glu Lys Gln Ala Gln Leu Asp Gln Leu Ala
 370 375 380
 Ala Gly Gly Arg Thr Ala Trp Ala Ser Tyr Ala Ala Ser Leu Leu Gln
 385 390 395 400
 Pro Glu Asn Thr Ser Asn Asn Asn Lys Phe Lys Phe Pro Arg Ser Gly
 405 410 415
 Ser His Asp Asp Lys Ala His Pro Pro Ile His Pro Ile Val Ser Leu
 420 425 430
 Gly Pro Glu Ala Asn Val Ser Pro Val Glu Arg Arg Val Tyr Glu Tyr
 435 440 445
 Val Ala Arg His Phe Leu Ala Cys Cys Ser Glu Asp Ala Lys Gly Gln
 450 455 460
 Ser Met Thr Leu Val Leu Asp Trp Ala Val Glu Arg Phe Ser Ala Ser
 465 470 475 480
 Gly Leu Val Val Leu Glu Arg Asn Phe Leu Asp Val Tyr Pro Trp Ala
 485 490 495
 Arg Trp Glu Thr Thr Lys Gln Leu Pro Arg Leu Glu Met Asn Ala Leu
 500 505 510
 Val Asp Ile Ala Lys Ala Glu Met Lys Ala Gly Thr Thr Ala Pro Pro
 515 520 525
 Lys Pro Met Thr Glu Ser Glu Leu Ile Leu Leu Met Asp Thr Asn Gly
 530 535 540
 Ile Gly Thr Asp Ala Thr Ile Ala Glu His Ile Asp Lys Ile Gln Val
 545 550 555 560
 Arg Asn Tyr Val Arg Ser Glu Lys Val Gly Lys Glu Thr Tyr Leu Gln
 565 570 575
 Pro Thr Thr Leu Gly Val Ser Leu Val His Gly Phe Glu Ala Ile Gly
 580 585 590
 Leu Glu Asp Ser Phe Ala Lys Pro Phe Gln Arg Arg Glu Met Glu Gln
 595 600 605
 Asp Leu Lys Lys Ile Cys Glu Gly His Ala Ser Lys Thr Asp Val Val
 610 615 620

Lys Asp Ile Val Glu Lys Tyr Arg Lys Tyr Trp His Lys Thr Asn Ala
 625 630 635 640

Cys Lys Asn Thr Leu Leu Gln Val Tyr Asp Arg Val Lys Ala Ser Met
 645 650 655

<210> 189
 <211> 1937
 <212> DNA
 <213> Candida albicans

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 tcgtaaaaaa aagaacaata aaccaatctt attgccagcg tctaactagt cctattatat 180
 tccaatatat taaggggtaa ggactactat tattcgccct gaattgaaat cttttagaaa 240
 gcacctgttc tctctctggt gttctttttt tctcatctat tatctaattt cttcaacctt 300
 cgttatattgt tgttattccg taatcgtggt gctcaacttt tgaaatttca cttggtttacc 360
 ataacggaac ataattaaaa atttgttctt gaaagtcaca agcactacgt gaacacaaaa 420
 ttaaggcaag agtgacaaaag taaccctcac aaggagcctg tcgttggtta tattggaagc 480
 tatagatata atcgaatcca atgactgggc ctggacctga aataaataag gaggagcacc 540
 ccagttctcc gggcaagaaa cagataacat ataattagat acccaagaat gcaaactctaa 600
 ttgatggatc tacgaattca tcgaagaggc caattgaaaa gtatgacaag agaatagccg 660
 acccaacaaa aagctatttt ccacatagca tatcaagaac accaaggaga aaatatactt 720
 acattctagt cctcacatca ctaaatggaa cttttgagag caaacatgtg gtgataccat 780
 ttaaaccaga tggtttgaaa ttgggaaggc ctggttgctaa tagtaatagc agctccagtt 840
 catcgctcag gggcggtaaa agagtggatt cacacacttt ttcccaagta aggtccgata 900
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 atatagatac gaaaattgag catcgaaaaa taagtgccac agttgaagaa ctatttgtac 1140
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 cattttccaa atgcgataat tttaaattac agtcgatgga gaatttctta attaattata 1440
 cgacacatct agaatacacg aacaaacttt tagtggaaaa aaatgatcag caactggtaa 1500
 agctgcaaaa tggattaaga aggaaactgt cggggaaata cgaaaagatt atcgaacaaa 1560
 acagaaatca agtaaaacag ttggaaaagg accatatggt tttcaaaaag tcatttgaag 1620
 tgaagaaaag aagaaataat gaaaagcaaa aaagcatgga aagggaata gaagacttga 1680
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 tccccgggcat gaatcctaag ggtactgaca aatttagcat caagaacacg ctatgtaatc 1860
 atttcacact attaacattt ggaactattt ccatcgggat tatagctatt gtcttcaaga 1920
 tcctttcccc caactag 1937

<210> 190
 <211> 478
 <212> PRT
 <213> Candida albicans

200

<400> 190

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Met Thr Gly Pro Gly Pro Glu Ile Asn Lys Glu Glu His Pro Ser Ser
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Pro Gly Lys Lys Gln Ile Thr Tyr Asn Ser Ile Pro Lys Asn Ala Asn
          20           25           30

Leu Ile Asp Gly Ser Thr Asn Ser Ser Lys Arg Pro Ile Glu Lys Tyr
          35           40           45

Asp Lys Arg Ile Ala Asp Pro Thr Lys Ser Tyr Phe Pro His Ser Ile
          50           55           60

Ser Arg Thr Pro Arg Arg Lys Tyr Thr Tyr Ile Leu Val Leu Thr Ser
          65           70           75           80

Leu Asn Gly Thr Phe Glu Ser Lys His Val Val Ile Pro Phe Lys Pro
          85           90           95

Asp Gly Leu Lys Leu Gly Arg Pro Val Ala Asn Ser Asn Ser Ser Ser
          100          105          110

Ser Ser Ser Leu Arg Gly Gly Lys Arg Val Asp Ser His Thr Phe Ser
          115          120          125

Gln Val Arg Ser Asp Asn Gly Asn Phe Asp Ser Arg Val Leu Ser Arg
          130          135          140

Asn His Ala Leu Leu Ser Cys Asp Pro Leu Thr Gly Lys Val Tyr Ile
          145          150          155          160

Arg Asp Leu Lys Ser Ser Asn Gly Thr Phe Ile Asn Gly Gln Arg Ile
          165          170          175

Gly Ser Asn Asp Val Glu Ile Lys Val Gly Asp Val Ile Asp Leu Gly
          180          185          190

Thr Asp Ile Asp Thr Lys Ile Glu His Arg Lys Ile Ser Ala Thr Val
          195          200          205

Glu Glu Leu Phe Val Gln Pro Leu Leu Glu Ser Pro Ile Phe Glu Asn
          210          215          220

Glu Asp Ser Asp Asp Cys His Thr Ile Thr Glu Lys Glu Glu Ala Ala
          225          230          235          240

Ala Ile Thr Ser His Ile Tyr Gly Asp Ser Asn Asn Leu Glu Leu Glu
          245          250          255

Glu Val Ile Leu Gly Ser Asp Thr Glu Ile Leu Ser Gly Ile Phe Ile
          260          265          270

Asn Asn Cys Ile Gly Thr Ser Pro Thr Leu Ser Asn Ile Ile Lys Thr
          275          280          285

Leu Ala Met Glu Ile Pro Phe Ser Lys Cys Asp Asn Phe Lys Leu Gln

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290	295	300
Ser Met Glu Asn Phe Leu Ile Asn Tyr Thr Thr His Leu Glu Tyr Thr		
305	310	315 320
Asn Lys Leu Leu Val Glu Lys Asn Asp Gln Gln Leu Val Lys Leu Gln		
	325	330 335
Asn Gly Leu Arg Arg Lys Leu Ser Gly Lys Tyr Glu Lys Ile Ile Glu		
	340	345 350
Gln Asn Arg Asn Gln Val Lys Gln Leu Glu Arg Asp His Met Phe Phe		
	355	360 365
Lys Lys Ser Phe Glu Val Lys Lys Arg Arg Asn Asn Glu Lys Gln Lys		
	370	375 380
Ser Met Glu Arg Glu Ile Glu Asp Leu Lys Thr Arg Leu Glu Val Glu		
385	390	395 400
Arg Tyr Lys Asn Ser Gln Met Met Lys Lys Asn Lys Gln Lys Glu Gln		
	405	410 415
Glu Leu Ser Thr Ala Ser Lys Lys Lys Thr Thr Glu His Asp Thr Arg		
	420	425 430
Gly Val Pro Gly Met Asn Pro Lys Gly Thr Asp Lys Phe Ser Ile Lys		
	435	440 445
Asn Thr Leu Cys Asn His Phe Thr Leu Leu Thr Phe Gly Thr Ile Ser		
	450	455 460
Ile Gly Ile Ile Ala Ile Val Phe Lys Ile Leu Ser Pro Asn		
465	470	475

<210> 191
 <211> 2849
 <212> DNA
 <213> Candida albicans

<400> 191
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 gtgtaaatgc tttgctgcct atcgtgattg atcatttaca taatctggca caatactggc 180
 ggacctgatt ggttgataat tgggtgcttca aaattttaaatt ttcgtcactc taattatact 240
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 gacacgcctc cccctaattgt ggcataatata acaattgtga atcagaaaaa ctcaacactt 420
 taacataatg gcgggcacga aggctaaaca aacaagatta gcattgaatg ctttttttgg 480
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 tactaaaaaa gtggcctaga ttatacgcaa gcagacgata taaagatgac gggaaccttc 720
 gcttaccgctc ctggaatcag tcaagtttat tcggctggtt aacagtgttg tataagatac 780
 gggacgaaca gattctggaa tatgcaggtt tagatgcgta tgtgtttttg agttttttca 840

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<210> 192

<211> 782

<212> PRT

<213> Candida albicans

<400> 192

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          20             25             30

Val Thr Thr Gln Leu Thr Ile Ala Thr Ser Leu Gly Ile Phe Ala Leu
    35             40             45

Leu Ser Phe Ser Ile Leu Leu Lys Lys Trp Pro Arg Leu Tyr Ala Ser
    50             55             60

Arg Arg Tyr Lys Asp Asp Gly Asn Leu Arg Leu Pro Ser Trp Asn Gln
    65             70             75             80

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Ser Ser Leu Phe Gly Trp Leu Thr Val Leu Tyr Lys Ile Arg Asp Glu
 85 90 95
 Gln Ile Leu Glu Tyr Ala Gly Leu Asp Ala Tyr Val Phe Leu Ser Phe
 100 105 110
 Phe Lys Met Cys Ile Lys Leu Leu Ser Ile Phe Cys Phe Phe Ser Val
 115 120 125
 Cys Val Ile Ser Pro Val Arg Tyr His Phe Thr Gly Lys Ile Asp Asp
 130 135 140
 Gly Asn Asp Asp Asp Asp Ser Glu Ser Ser Leu Ile His Leu Val Lys
 145 150 155 160
 Arg Ile Val Glu Gly Ser Gly Asp Gly Asp Asn His Ser Ala Pro Glu
 165 170 175
 Arg Thr Asn Val Tyr Leu Trp Met Tyr Val Leu Phe Thr Tyr Phe Phe
 180 185 190
 Thr Phe Ile Ala Ile Lys Met Ala Val Ala Glu Thr Lys His Val Val
 195 200 205
 Ser Thr Arg Gln Ala Tyr Leu Gly Lys Gln Asn Thr Ile Thr Asp Arg
 210 215 220
 Thr Ile Arg Leu Ser Gly Ile Pro Ile Glu Leu Arg Asp Ser Glu Ala
 225 230 235 240
 Leu Lys Thr Arg Ile Glu Gln Leu Lys Ile Gly Thr Val Ser Ser Ile
 245 250 255
 Thr Ile Cys Arg Glu Trp Gly Pro Leu Asn Lys Leu Phe His Cys Arg
 260 265 270
 Lys Lys Ile Leu Lys Asn Leu Glu Leu Lys Tyr Ser Glu Cys Pro Arg
 275 280 285
 Glu Leu Arg Thr Arg Gln Pro Tyr Ser Glu Asn Tyr His Leu Leu Gly
 290 295 300
 Asn Glu Gln Ser Gly Ala Val Thr His Gly Glu Asn Val Pro Ser Ser
 305 310 315 320
 Asn Asn Asn Asp Glu Asp Thr Ile Leu Tyr Ser Gln Ile Ser Leu Gly
 325 330 335
 Glu Arg Pro Lys Met Lys Ile Gly Tyr Arg Gly Ile Phe Gly Lys Glu
 340 345 350
 Val Asp Ala Ile Glu Tyr Leu Glu Gln Gln Leu Lys Phe Ile Asp Ala
 355 360 365
 Glu Ile Ile Glu Ala Arg Lys Gln His Tyr Ser Ala Thr Pro Thr Ala
 370 375 380

Phe	Val	Thr	Met	Asp	Ser	Val	Ala	Asn	Ala	Gln	Met	Ala	Ala	Gln	Ala	385	390	395	400
Val	Leu	Asp	Pro	Arg	Val	His	Tyr	Phe	Ile	Thr	Arg	Leu	Ala	Pro	Ala	405	410	415	
Pro	His	Asp	Ile	Lys	Trp	Asp	His	Val	Cys	Leu	Ser	Arg	Lys	Asp	Arg	420	425	430	
Leu	Thr	Lys	Val	Tyr	Ser	Thr	Thr	Val	Phe	Ile	Gly	Leu	Ser	Ser	Leu	435	440	445	
Phe	Leu	Val	Ile	Pro	Val	Ser	Tyr	Leu	Ala	Thr	Leu	Leu	Asn	Leu	Lys	450	455	460	
Thr	Leu	Ser	Lys	Phe	Trp	Pro	Ser	Val	Gly	Gln	Leu	Leu	Lys	Asp	His	465	470	475	480
Gln	Trp	Ala	Ala	Asn	Ile	Val	Thr	Gly	Leu	Leu	Pro	Thr	Tyr	Leu	Phe	485	490	495	
Thr	Leu	Leu	Asn	Phe	Gly	Ile	Pro	Tyr	Phe	Tyr	Glu	Tyr	Leu	Thr	Ser	500	505	510	
Tyr	Gln	Gly	Leu	Val	Ser	Tyr	Ser	Glu	Glu	Glu	Ile	Ser	Leu	Val	Ser	515	520	525	
Lys	Asn	Phe	Phe	Tyr	Ile	Phe	Val	Asn	Leu	Phe	Leu	Val	Phe	Thr	Leu	530	535	540	
Ala	Gly	Thr	Ala	Ser	Asn	Tyr	Trp	Ala	Tyr	Leu	Ser	Asp	Thr	Thr	Lys	545	550	555	560
Ile	Ala	Tyr	Gln	Leu	Ala	Thr	Ser	Val	Lys	Glu	Phe	Ser	Leu	Phe	Tyr	565	570	575	
Val	Asp	Leu	Ile	Ile	Leu	Gln	Gly	Ile	Gly	Met	Phe	Pro	Phe	Lys	Leu	580	585	590	
Leu	Leu	Val	Gly	Ser	Leu	Ile	Gly	Phe	Pro	Leu	Val	Lys	Ile	Lys	Ala	595	600	605	
Lys	Thr	Pro	Arg	Gln	Arg	Asn	Glu	Leu	Tyr	Asn	Pro	Pro	Ile	Phe	Asn	610	615	620	
Phe	Gly	Leu	Gln	Leu	Pro	Gln	Pro	Ile	Leu	Ile	Leu	Ile	Ile	Thr	Leu	625	630	635	640
Ile	Tyr	Ser	Val	Met	Ser	Thr	Lys	Ile	Leu	Thr	Ser	Gly	Leu	Ala	Tyr	645	650	655	
Phe	Ile	Ile	Gly	Phe	Tyr	Val	Tyr	Lys	Tyr	Gln	Leu	Ile	Phe	Ala	Thr	660	665	670	
Asp	His	Leu	Pro	His	Ser	Thr	Gly	Lys	Val	Trp	Pro	Leu	Ile	Phe	Arg	675	680	685	

205

Arg Ile Ile Val Gly Leu Leu Leu Phe Gln Leu Thr Met Thr Gly Thr
 690 695 700
 Leu Ala Gly Phe Glu Gly Gly Trp Val Leu Ser Ser Cys Leu Phe Pro
 705 710 715 720
 Leu Pro Val Val Thr Leu Cys Phe Leu Tyr Asp Phe Glu Lys Asn Tyr
 725 730 735
 Leu Pro Leu Ser Lys Tyr Ile Ala Leu Ser Ser Ile Arg Glu Tyr Glu
 740 745 750
 Arg Asp Asn Ser Thr Val Asn Ser Ala Asn Glu Glu Glu Ser Tyr Ala
 755 760 765
 Tyr Pro Tyr Ala Val Ser Glu Leu Glu Gly Pro Met Leu Asp
 770 775 780

<210> 193
 <211> 1781
 <212> DNA
 <213> Candida albicans

<400> 193
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 cacaaggaga cccacggcag tgcaaaagta gcatctgact tacagaagat gctaaataaa 180
 agggaaagt gatggagaat gccatatcac cccaaaaatt acacgcaccc gatgctaag 240
 tacaggaatt atagagcaca tgacccatag atttatcgag cattgttgca atttcgaaag 300
 actctttcac ataataaagt atgtaaacta tatagataga agatgtcccg tgtctttttg 360
 tctactaaat gatgatctgc tcattttaaag tcgccgcgac tactttgaca aaaaaaaaaa 420
 acttagaaaa tacgacaaat agagattatt gaatgaagta cattgaaaaa agaaagaaga 480
 aaggcacata gcagcacaca atgtcgcacc aaaaccagct tattccacaa gcttatattt 540
 ctaactttca taacagattg acaaacgaag atgatggtat ccccatcttt acaatggctc 600
 aacaaacaag gcagcataaa agggctaaag tggctcaacta tgcggaatat gacaacgatc 660
 tctttgatga attcaatatg aacggttcta atttcaacaa tgctgataca cactataaag 720
 ataatgcagt gtctcatgaa aatactccgg cacttcaaaa tgggtgttacc atggacgggt 780
 ccgaatacaa tgtcctagag aacatgaatg gagctgatag tattatctct aacaacaaat 840
 acgatgcggg ttcaaacatg gttgtggaat ctttatccgg tttgaatagc aataacaacg 900
 ccagcaatgg tccgagcaac aaagcgcagg cacaggatat tggaaacgcc gttctaccgg 960
 atctgcaaga ccaacaccac aacccttca acatattgag ataccctaaa ataagagata 1020
 ctttcattaa cggaaaagtg gtgtctccat atagactcaa cactgatcaa gaaacgaagg 1080
 caaacgccaa ttctggagag gcaatcatga taccaattac tttggatata gaacatatgg 1140
 gtcataccat aaaagaccag tttctctgga actacaatga cgactccata tctccggagg 1200
 aatttgcctc tatatactgt aaagatcttg atatgacttc cgctacctta caaactcaaa 1260
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 aaactactct gcaagataaag aaggactggg tagatggcca cttgattcag gaccatgtcc 1560
 caaacgatgc gcattttggg tacttatctg gtataaggct ggatattgat gaactgggct 1620
 ccaattgggtg cccaaggggtg gaaatattaa caaaagaaga aatacaaaaag agagaaattg 1680
 aaaaagaaag aaacttaaga agattgaaaa gagaaactga tagattatct agaaggggca 1740
 ggagaagatt agatgactta gaaaccacaa tgagaatgta g 1781

<210> 194
 <211> 426
 <212> PRT
 <213> Candida albicans

<400> 194

Met	Ser	His	Gln	Asn	Gln	Leu	Ile	Pro	Gln	Ala	Tyr	Ile	Ser	Asn	Phe	1	5	10	15
His	Asn	Arg	Leu	Thr	Asn	Glu	Asp	Asp	Gly	Ile	Pro	Ile	Phe	Thr	Met	20	25	30	
Ala	Gln	Gln	Thr	Arg	Gln	His	Lys	Arg	Ala	Lys	Val	Val	Asn	Tyr	Ala	35	40	45	
Glu	Tyr	Asp	Asn	Asp	Leu	Phe	Asp	Glu	Phe	Asn	Met	Asn	Gly	Ser	Asn	50	55	60	
Phe	Asn	Asn	Ala	Asp	Thr	His	Tyr	Lys	Asp	Asn	Ala	Val	Ser	His	Glu	65	70	75	
Asn	Thr	Pro	Ala	Leu	Thr	Asn	Gly	Val	Thr	Met	Asp	Gly	Ser	Glu	Tyr	85	90	95	
Asn	Val	Leu	Glu	Asn	Met	Asn	Gly	Ala	Asp	Ser	Ile	Ile	Ser	Asn	Asn	100	105	110	
Lys	Tyr	Asp	Ala	Gly	Ser	Asn	Met	Val	Val	Glu	Ser	Leu	Ser	Gly	Leu	115	120	125	
Asn	Ser	Asn	Asn	Asn	Ala	Ser	Asn	Gly	Pro	Ser	Asn	Lys	Ala	Gln	Ala	130	135	140	
Gln	Asp	Ile	Gly	Asn	Ala	Val	Leu	Pro	Asp	Leu	Gln	Asp	Gln	His	His	145	150	155	
Asn	Pro	Phe	Asn	Ile	Leu	Arg	Tyr	Pro	Lys	Ile	Arg	Asp	Thr	Phe	Ile	165	170	175	
Asn	Gly	Lys	Val	Val	Ser	Pro	Tyr	Arg	Leu	Asn	Thr	Asp	Gln	Glu	Thr	180	185	190	
Lys	Ala	Asn	Ala	Asn	Ser	Gly	Glu	Ala	Ile	Met	Ile	Pro	Ile	Thr	Leu	195	200	205	
Asp	Ile	Glu	His	Met	Gly	His	Thr	Ile	Lys	Asp	Gln	Phe	Leu	Trp	Asn	210	215	220	
Tyr	Asn	Asp	Asp	Ser	Ile	Ser	Pro	Glu	Glu	Phe	Ala	Ser	Ile	Tyr	Cys	225	230	235	
Lys	Asp	Leu	Asp	Met	Thr	Ser	Ala	Thr	Leu	Gln	Thr	Gln	Ile	Ala	Asn	245	250	255	
Ile	Ile	Lys	Glu	Gln	Leu	Lys	Asp	Leu	Glu	Asn	Ile	Ala	Ala	Thr	Glu	260	265	270	

Ile Met Ser Asp Leu His Val Ile Ile Asn Leu Thr Cys Asn Leu Gln
 275 280 285
 Asp Arg Phe Phe Glu Asp Asn Phe Gln Trp Asn Leu Asn Asp Lys Ser
 290 295 300
 Leu Thr Pro Glu Arg Phe Ala Thr Ser Ile Val Gln Asp Leu Gly Leu
 305 310 315 320
 Thr Arg Glu Phe Ile Pro Leu Ile Ser Gln Ser Leu His Glu Thr Ile
 325 330 335
 Leu Lys Ile Lys Lys Asp Trp Val Asp Gly His Leu Ile Gln Asp His
 340 345 350
 Val Pro Asn Asp Ala Ala Phe Gly Tyr Leu Ser Gly Ile Arg Leu Asp
 355 360 365
 Ile Asp Glu Leu Gly Ser Asn Trp Cys Pro Arg Val Glu Ile Leu Thr
 370 375 380
 Lys Glu Glu Ile Gln Lys Arg Glu Ile Glu Lys Glu Arg Asn Leu Arg
 385 390 395 400
 Arg Leu Lys Arg Glu Thr Asp Arg Leu Ser Arg Arg Gly Arg Arg Arg
 405 410 415
 Leu Asp Asp Leu Glu Thr Thr Met Arg Met
 420 425

<210> 195
 <211> 815
 <212> DNA
 <213> Candida albicans

<400> 195
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 attggtatca tgattgcctc tccagaattg gcgtttgcc tgcgttcttg atcagtgttg 180
 agtctatatg gagacaccac ttttccgtta atgaaagtat ctcttatttt agggatatctc 240
 aatatgttga aggggttggt gtgttggtct tgcagatccg gtagaacggc gtttccaata 300
 tctgtgacct gcgctttggt gctcggacca ttgctggcgt tggtattgct attcaaaccg 360
 gataaagatt ccacaaccat gtttgaacct gcacgtatt tggtgttaga gataatacta 420
 tcagctccat tcatgttctc taggacattg tattcggaac cgtccatggt aacaccattt 480
 gtaagtgccg gagtatcttc atgagacact gcattatctt tatagtgtgt atcagcattg 540
 ttgaaattag aaccgttcat attgaattca tcaaagagat cgttgtcata ttccgcatag 600
 ttgaccactt tagccctttt atgctgcctt gtttgttgag ccattgtaaa gatggggata 660
 ccattcatctt cgtttgtaaa tctgttatga aagttagaaa tataagcttg tggaataagc 720
 tgggttttggg gcgacattgt gtgctgctat gtgcctttct tctttctttt ttcaatgtac 780
 ttcattcaat aatctctatt tgcgtatatt tctaa 815

<210> 196
 <211> 104

208

<212> PRT

<213> Candida albicans

<400> 196

Met Arg His Cys Ile Ile Phe Ile Val Cys Ile Ser Ile Val Glu Ile
 1 5 10 15

Arg Thr Val His Ile Glu Phe Ile Lys Glu Ile Val Val Ile Phe Arg
 20 25 30

Ile Val Asp His Phe Ser Pro Phe Met Leu Pro Cys Leu Leu Ser His
 35 40 45

Cys Lys Asp Gly Asp Thr Ile Ile Phe Val Cys Gln Ser Val Met Lys
 50 55 60

Val Arg Asn Ile Ser Leu Trp Asn Lys Leu Val Leu Val Arg His Cys
 65 70 75 80

Val Leu Leu Cys Ala Phe Leu Leu Ser Phe Phe Asn Val Leu His Ser
 85 90 95

Ile Ile Ser Ile Cys Arg Ile Phe
 100

<210> 197

<211> 737

<212> DNA

<213> Candida albicans

<400> 197

ccacatgtca caactacttt gtgaagttgc aatgcgtgat tagtattata aaacatcata 60
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 acaaaaacagg gcatctcaca tattcgcgta ctggtgttct tttagctcat tccgatatta 180
 ttccaagacg gaattttcat cttagagaaa tgcattcgtg cattttcata aaccacacaca 240
 attaaaatgc cttgcgaaaa ggaggactcg tccgtgcaac tgttgaaaaa aatagacgga 300
 gcatcatacg ttcgagtggg aaattatgga gagttttcca agctctatgg catgtagagt 360
 cgtgattgct gctgtacgct tttgcacaat attgaatctt caatctaaag aattaaattt 420
 tctaatttca atgtagaaat atttcaactg ttagtttttt atttcagggtt gaatatagta 480
 cgacaaaata tcaaggaaaa atggctagag aaatcaccga catcaaaca tttttggaat 540
 tgaccagaag agctgacgtt aagaccgcca ctgttaagat taacaaaaaa ttgaacaagg 600
 ccggttaagcc attcagacaa accaagttca aggttagagg ctcttcttct ttgtacactt 660
 tgggttatcaa cgatgctggt aaggctaaga aattgatcca atctttgcc ccaactttga 720
 aggttaacag attataa 737

<210> 198

<211> 78

<212> PRT

<213> Candida albicans

<400> 198

Met Ala Arg Glu Ile Thr Asp Ile Lys Gln Phe Leu Glu Leu Thr Arg
 1 5 10 15

Lys Ala Tyr Phe Thr Ala Pro Ser Ser Gln Arg Arg Val Leu Leu Ser
20 25 30

210

Ala Pro Leu Ser Lys Glu Leu Arg Ala Gln Tyr Gly Ile Lys Ala Leu
 35 40 45

Pro Ile Arg Arg Asp Asp Glu Val Leu Val Val Arg Gly Ser Lys Lys
 50 55 60

Gly Gln Glu Gly Lys Ile Ser Ser Val Tyr Arg Leu Lys Phe Ala Val
 65 70 75 80

Gln Val Asp Lys Val Thr Lys Glu Lys Val Asn Gly Ala Ser Val Pro
 85 90 95

Ile Asn Leu His Pro Ser Lys Leu Val Ile Thr Lys Leu His Leu Asp
 100 105 110

Lys Asp Arg Lys Ala Leu Ile Gln Arg Lys Gly Gly Lys Leu Glu
 115 120 125

<210> 201
 <211> 1376
 <212> DNA
 <213> Candida albicans

<400> 201
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 agggattgct taagaatcaa agtagcttaa ctctaaagta ttattttcct cagttgtggg 120
 cccatgtgtt ggagggaagg aatatattga aatgtaaatg ttcttaagtt cggttgaact 180
 tggatattgt tacaagagtt ctagtctttg ataccatttt tacgcaatta caaccgcatt 240
 atttaccttt tcatcttcag ttttacggtt cagttttattc tgttacgaaa gaactatggg 300
 gattcaaagg cgaagtgcgt aggattgtaa ctcttatatc tttaggatac ttacaatttt 360
 gtactgtttt caagaccact gtaaccgata ataaaccgga ggacacattt taacccta 420
 tttttttcag aagatcagat gcgagagctc gaagcataag tataatacta acgtttcaaa 480
 acatagtaat taggtaaaaa atgactcgct ctctcggttt agctgatgct ttgaatgcca 540
 ttaataacgc cgaaaagacc ggtaaacgct aggttctatt gagaccttct tccaaggtta 600
 tcatcaagtt tttacaagtt atgcaaaagc atggtatgtt ccaactattt ttcaatattt 660
 tcacatgtgt ttcaatttct gcttattttt aaatgttacc acgaggtttg tccaagttca 720
 atgttgcgca actctaacga agaaataatt attgccattg ttttttactc cgggctgata 780
 actagatggg gtgatcgggc agtatactaa tttatactgg acaaagactc gtaaaagatg 840
 ttctttgtgc ttagtcccat actgtttttt aagtgtccgg gatatttaac cccatgtgga 900
 aatgcttctt acacggttat ggattacacc tcatgtgtag ctactatata cattaccgtt 960
 tacttttctt caaaatctca ctcttâaaat tttcaatggc aaaattcttc cgcacaactt 1020
 agacaacatt ttcttgtttt ttatgaagta agcaaaaatt tcgaatcaac aacgctccat 1080
 gagattcttc aataactaaca tttactcctt atttaggtta cattggcgaa ttcgaatata 1140
 ttgacgacca cagatctggg aagattgtcg tccaactgaa cggtagattg aacaaatgtg 1200
 gtgttatttc cccaagattt aacgttaaga ttggtgacat tgaaaaatgg accgccaact 1260
 tattgccagc cagacaattc gggtacgtta ttttgactac ttctgcgggt attatggacc 1320
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<210> 202
 <211> 130
 <212> PRT
 <213> Candida albicans

<400> 202

211

Met Thr Arg Ser Ser Val Leu Ala Asp Ala Leu Asn Ala Ile Asn Asn
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 Ala Glu Lys Thr Gly Lys Arg Gln Val Leu Leu Arg Pro Ser Ser Lys
 20 25 30
 Val Ile Ile Lys Phe Leu Gln Val Met Gln Lys His Gly Tyr Ile Gly
 35 40 45
 Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln
 50 55 60
 Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asn
 65 70 75 80
 Val Lys Ile Gly Asp Ile Glu Lys Trp Thr Ala Asn Leu Leu Pro Ala
 85 90 95
 Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp
 100 105 110
 His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe
 115 120 125
 Val Tyr
 130

<210> 203

<211> 1340

<212> DNA

<213> Candida albicans

<400> 203

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 tcacctctt cttggtatta gtaaagagac gcctgatctt gtaacagtgg tgaagattgt 180
 actagagcag aatcaagaat ttaaaaagtg taaaggcaag gcagaggcga tgtacataaa 240
 acttcgaagt aagaaatatt taatagttct cgccacatca ctatgcagct atataaaaac 300
 tactataaac gtttggtttg ttccttacgc acaatatcct tgctagaaa tcgtttttga 360
 aatttaaatt tttattacca tttatttgat tcgccttcag aaaaatatgg aagagtgcac 420
 atttaaaaag gactatttca gcatatagta aaagtcagggt tatttgttta tttgcgatat 480
 cagagtaact taaactaact atgcagggca cttttaaaag gttttaccat cccacgctta 540
 cgcggatgtc cttcttggtt aaattcctca agcctatgat ggcaacggct tccccaagg 600
 aataccagat caaacaactg gtcaagccaa taggcttaac acaagcacca aggaaaagca 660
 ccaaatactc ccagggggaa tctttgaggg atatgtttga ttcggaaaag acaaaccaca 720
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 atatgttaaag gggtaaaacc agtatagtga gggtatttag tacagcatct ggcgataagt 960
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 aagctgatgc gcgtttaagt ttaaatgaca gtaacgtcca aatcatcgag gtcaatcttg 1080
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 catcctggcg ccagccattt tatttcgaat gttctagagg ccaatggcca ttttccgtca 1200
 ggggaagagct cttttgcaat aatgtctttt ctggatacgt ctttcttggtg gaccagcagt 1260
 taaaaattag gtgggagcgt tgcggggagg ctactccatc tgaaaaggaa gcattgtgga 1320

agtttgccaa acgtctgtga

1340

<210> 204

<211> 279

<212> PRT

<213> Candida albicans

<400> 204

Met	Gln	Gly	Thr	Phe	Lys	Arg	Phe	Tyr	His	Pro	Thr	Leu	Thr	Arg	Met	1	5	10	15
Ser	Phe	Leu	Asp	Lys	Phe	Leu	Lys	Pro	Met	Met	Ala	Thr	Ala	Ser	Pro	20	25	30	
Lys	Glu	Tyr	Gln	Ile	Lys	Gln	Leu	Val	Lys	Pro	Ile	Gly	Leu	Thr	Gln	35	40	45	
Ala	Pro	Arg	Lys	Ser	Thr	Lys	Tyr	Ser	Gln	Gly	Asn	Ser	Leu	Arg	Asp	50	55	60	
Met	Phe	Asp	Ser	Glu	Lys	Thr	Asn	His	Arg	Val	Lys	Glu	Leu	Ala	Val	65	70	75	80
Glu	Phe	Ser	Lys	Ser	Gly	Leu	Tyr	Asp	Val	Gln	Val	Phe	Gln	Lys	Thr	85	90	95	
Lys	Gly	Lys	Leu	Phe	Ile	Ala	Pro	Val	Ser	Tyr	Trp	Lys	Glu	Asp	Lys	100	105	110	
Ala	Leu	Phe	Phe	Pro	His	Leu	Ile	Gly	Thr	Ala	Met	Asp	Gly	Thr	Lys	115	120	125	
Gln	Gln	Asn	Ile	Glu	Asp	Met	Leu	Arg	Gly	Lys	Thr	Ser	Ile	Val	Arg	130	135	140	
Leu	Phe	Ser	Thr	Ala	Ser	Gly	Asp	Lys	Leu	Ser	Ser	Ser	Tyr	Phe	Gln	145	150	155	160
Gly	Ile	Val	Asp	Asp	Asn	Lys	Lys	Thr	Asp	Tyr	Leu	Thr	Glu	Ala	Asp	165	170	175	
Ala	Arg	Leu	Ser	Leu	Asn	Asp	Ser	Asn	Val	Gln	Ile	Ile	Glu	Val	Asn	180	185	190	
Leu	Val	Glu	Asn	Ala	Val	Lys	Ser	Ala	Leu	Val	Lys	Thr	Leu	Ala	Arg	195	200	205	
Trp	Ala	Asn	Arg	Val	Pro	Ser	Trp	Arg	Gln	Pro	Phe	Tyr	Phe	Glu	Cys	210	215	220	
Ser	Arg	Gly	Gln	Trp	Pro	Phe	Ser	Val	Arg	Glu	Glu	Leu	Phe	Cys	Asn	225	230	235	240
Asn	Val	Phe	Ser	Gly	Tyr	Val	Phe	Leu	Val	Asp	Gln	Gln	Leu	Lys	Ile	245	250	255	

Arg Trp Ala Ala Cys Gly Glu Ala Thr Pro Ser Glu Lys Glu Ala Leu
 260 265 270

Trp Lys Phe Ala Lys Arg Leu
 275

<210> 205
 <211> 1754
 <212> DNA
 <213> Candida albicans

<400> 205
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 ttcttcgacc tctctcgggt gtactatttc gaaattttgg atttttggtt ttgttttgac 360
 ataattgtaa tactagatgc gcgctctaag gcctcagtat taaaaattgc aagatatccc 420
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 tatcaacgta tttaaacact atgaacgaag cagatgttac aaaatttggt aataatgcca 540
 ggaaaacgct gaccgatgct caacttttat gttcaagtgc taatttaagg attgtagata 600
 ttaagaaaaa attgtcatct tggcagttga gtatttcaaa actcaatttt ctaatagttg 660
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 tatcagaaaa agatgatacc gatccctcta aactaggaga ttacatctcg agagacaacg. 900
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 tgaattcatt gacacagcac tttgataaga cattgctgtt acaagataaa aaaattgata 1200
 acgatgaacg tgaggagctg ttaaggtgg tacaaggcga cgacaaagaa ctatacaaca 1260
 tttcaaaaac tctgcatgag gtaattgatg acgtggacaa aacaattctt aacttgggtc 1320
 aatttttgca ggcaaaaata aaggaaaaga cagaactaca cagcgaagtt tctgaaataa 1380
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 tgaagaatcc ttag 1754

<210> 206
 <211> 417
 <212> PRT
 <213> Candida albicans

<400> 206
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 Leu Thr Asp Ala Gln Leu Leu Cys Ser Ser Ala Asn Leu Arg Ile Val
 20 25 30

Asp Ile Lys Lys Lys Leu Ser Ser Trp Gln Leu Ser Ile Ser Lys Leu
 35 40 45
 Asn Phe Leu Ile Val Gly Leu Arg Gln Gln Gly Lys Phe Leu Tyr Thr
 50 55 60
 Ile Leu Lys Glu Gly Ile Gly Thr Lys Leu Ile Gln Lys Gln Trp Asn
 65 70 75 80
 Gln Ala Val Leu Val Val Leu Val Asp Glu Met Lys Tyr Trp Gln Tyr
 85 90 95
 Glu Ile Thr Ser Lys Val Gln Arg Leu Asp Gly Ile Val Asn Glu Leu
 100 105 110
 Ser Ile Ser Glu Lys Asp Asp Thr Asp Pro Ser Lys Leu Gly Asp Tyr
 115 120 125
 Ile Ser Arg Asp Asn Val Asn Leu Leu Asn Asp Lys Leu Lys Glu Val
 130 135 140
 Pro Val Ile Glu Arg Gln Ile Glu Asn Ile Lys Leu Gln Tyr Glu Asn
 145 150 155 160
 Met Val Arg Lys Val Asn Lys Glu Leu Ile Asp Thr Lys Leu Thr Asp
 165 170 175
 Val Thr Gln Lys Phe Gln Ser Lys Phe Gly Ile Asp Asn Leu Met Glu
 180 185 190
 Thr Asn Val Ala Glu Gln Phe Ser Arg Glu Leu Thr Asp Leu Glu Lys
 195 200 205
 Asp Leu Ala Glu Ile Met Asn Ser Leu Thr Gln His Phe Asp Lys Thr
 210 215 220
 Leu Leu Leu Gln Asp Lys Lys Ile Asp Asn Asp Glu Arg Glu Glu Leu
 225 230 235 240
 Phe Lys Val Val Gln Gly Asp Asp Lys Glu Leu Tyr Asn Ile Phe Lys
 245 250 255
 Thr Leu His Glu Val Ile Asp Asp Val Asp Lys Thr Ile Leu Asn Leu
 260 265 270
 Gly Gln Phe Leu Gln Ala Lys Ile Lys Glu Lys Thr Glu Leu His Ser
 275 280 285
 Glu Val Ser Glu Ile Ile Asn Asp Phe Asn Arg Asn Leu Glu Tyr Leu
 290 295 300
 Leu Ile Phe Lys Asp Ile Ser Asn Leu Ile Asp Ser Phe Lys Asn Ser
 305 310 315 320
 Cys Thr Gln Asp Ile Gln Thr Thr Lys Glu Leu Cys Glu Phe Tyr Asp
 325 330 335

Asn Phe Glu Glu Ser Tyr Gly Asn Leu Val Leu Glu Ala Lys Arg Arg
 340 345 350
 Lys Asp Val Ala Asn Arg Met Lys Thr Ile Leu Lys Asp Cys Glu Lys
 355 360 365
 Gln Leu Gln Asn Leu Asp Ala Gln Asp Gln Glu Glu Arg Gln Asn Phe
 370 375 380
 Ile Ala Glu Asn Gly Thr Tyr Leu Pro Glu Thr Ile Trp Pro Gly Lys
 385 390 395 400
 Ile Asp Asp Phe Ser Ser Leu Tyr Thr Leu Asn Tyr Asn Val Lys Asn
 405 410 415

Pro

<210> 207
 <211> 1342
 <212> DNA
 <213> Candida albicans

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 aattttacat ccatacattt ttttgaaatt tcatgttttt ttgaaaaatt ggaaaagggc 180
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<210> 208
 <211> 146
 <212> PRT
 <213> Candida albicans

216

<400> 208

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Thr Thr Ile Lys Gly Val Gly Arg Arg Tyr Ser Asn Leu Val Cys Lys
 35 40 45

Lys Ala Asp Val Asp Leu His Lys Arg Ala Gly Glu Leu Thr Gln Glu
 50 55 60

Glu Leu Glu Arg Ile Val Gln Ile Met Gln Asn Pro Thr His Tyr Lys
 65 70 75 80

Ile Pro Ala Trp Phe Leu Asn Arg Gln Asn Asp Ile Thr Asp Gly Lys
 85 90 95

Asp Tyr His Thr Leu Ala Asn Asn Val Glu Ser Lys Leu Arg Asp Asp
 100 105 110

Leu Glu Arg Leu Lys Lys Ile Arg Ala His Arg Gly Ile Arg His Phe
 115 120 125

Trp Gly Leu Arg Val Arg Gly Gln His Thr Lys Thr Thr Gly Arg Arg
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Arg Ala
 145

<210> 209

<211> 1268

<212> DNA

<213> Candida albicans

<400> 209

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 aggagctcca ctgaaaaaaaa aagagcagca tggatgtccg gtagaagtgc tactgagtaa 240
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 ggccggctgg actctccagg ccggagtgat gattgccacg ctgaacgtaa cacagtttca 360
 caataccagt gtcctcatta gtgagttcca atgtatagtt agtagtggtta ttttgatata 420
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 aaaaccgatc tagactaatc atggctgttg gtaagaataa gagactatcc agaggtaaga 540
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 ccccatccac ttttgaaaac agaaatgttg gtaagacttt agttaacaag tccactgggt 660
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Lys	Ala	Pro	Ser	Thr	Phe	Glu	Asn	Arg	Asn	Val	Gly	Lys	Thr	Leu	Val
		35					40					45			
Asn	Lys	Ser	Thr	Gly	Leu	Lys	Asn	Ala	Ser	Asp	Ala	Leu	Lys	Gly	Arg
	50					55					60				
Val	Val	Glu	Val	Cys	Leu	Ala	Asp	Leu	Gln	Gly	Ser	Glu	Asp	His	Ser
65					70					75					80
Phe	Arg	Lys	Val	Lys	Leu	Arg	Val	Asp	Glu	Val	Gln	Gly	Lys	Asn	Leu
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Leu	Thr	Asn	Phe	His	Gly	Met	Asp	Phe	Thr	Thr	Asp	Lys	Leu	Arg	Ser
			100					105					110		
Met	Val	Arg	Lys	Trp	Gln	Thr	Leu	Ile	Glu	Ala	Asn	Val	Thr	Val	Lys
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Thr	Ser	Asp	Asp	Tyr	Val	Leu	Arg	Ile	Phe	Ala	Ile	Ala	Phe	Thr	Arg
	130					135					140				
Lys	Gln	Ala	Asn	Gln	Val	Lys	Arg	His	Ser	Tyr	Ala	Gln	Ser	Ser	His
145					150					155					160
Ile	Arg	Ala	Ile	Arg	Lys	Val	Ile	Ser	Glu	Ile	Leu	Thr	Arg	Glu	Val
				165					170					175	
Gln	Asn	Ser	Thr	Leu	Ala	Gln	Leu	Thr	Ser	Lys	Leu	Ile	Pro	Glu	Val
			180					185					190		
Ile	Asn	Lys	Glu	Ile	Glu	Asn	Ala	Thr	Lys	Asp	Ile	Phe	Pro	Leu	Gln
		195					200					205			
Asn	Ile	His	Val	Arg	Lys	Val	Lys	Leu	Leu	Lys	Gln	Pro	Lys	Phe	Asp
	210					215					220				
Val	Gly	Ala	Leu	Met	Ala	Leu	His	Gly	Glu	Gly	Ser	Gly	Glu	Glu	Lys
225					230					235					240

Gly Lys Lys Val Ser Gly Phe Lys Asp Glu Val Leu Glu Thr Val
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<210> 211
 <211> 2042
 <212> DNA
 <213> Candida albicans

<400> 211
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 ctttattttcc acttctttac aagctttctg cctttctcta tgacgtcttt cccaaaacac 180
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 aagacctggc cgattattta cgtgataata agaagagctt ggaaaagtac gctacagact 660
 ccattgagga cttgaaaacg gaggcacgc aggtatggga caaacacgcg cagcccaaac 720
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 aa 2042

<210> 212
 <211> 513
 <212> PRT
 <213> Candida albicans

<400> 212
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Gln	Glu	Asp	Leu	Ala	Asp	Tyr	Leu	Arg	Asp	Asn	Lys	Lys	Ser	Leu	Glu	35	40	45
Lys	Tyr	Ala	Thr	Asp	Ser	Ile	Glu	Asp	Leu	Lys	Thr	Glu	Ala	Ser	Gln	50	55	60
Val	Trp	Asp	Lys	His	Ala	Gln	Pro	Lys	Pro	Trp	Trp	Gln	Val	Trp	Ser	65	70	75
Ser	Asp	Ser	Ser	Ser	Val	Ser	Asn	Ser	Asn	Pro	Gly	Trp	Phe	Gly	Tyr	85	90	95
Thr	Gly	Ser	Ser	Asp	His	Pro	Val	Ser	Asp	Trp	Leu	Phe	Asp	Thr	Trp	100	105	110
Ser	Thr	Asp	Ser	Leu	Arg	Asn	Phe	Leu	Lys	Lys	Asn	Gly	Val	Asp	Val	115	120	125
Asp	Asp	Ala	Lys	Ala	Ser	Lys	Asp	Ser	Leu	Val	Lys	Thr	Ala	Lys	Glu	130	135	140
Asn	Phe	Asn	Lys	Ile	Ser	Lys	Ser	Leu	Lys	Ser	Ser	Gly	Tyr	Tyr	Pro	145	150	155
Ser	Ser	Ser	Tyr	Phe	Asp	Ser	Trp	Ser	Thr	Lys	Asp	Leu	Gln	Asn	Trp	165	170	175
Leu	Asn	Asp	Asn	Gly	Ile	Asp	Tyr	Asp	Lys	Ala	Val	Gln	Ser	Lys	Asp	180	185	190
Glu	Leu	Val	Gln	Lys	Val	Lys	Glu	Asn	Ile	Tyr	Arg	Thr	Ser	Glu	Lys	195	200	205
Ala	Glu	Gln	Gln	Arg	Leu	Gly	Leu	Leu	Glu	Ser	Leu	Asp	Leu	Ala	His	210	215	220
Gln	Gln	Ile	Leu	Asp	Thr	Ser	Gly	Gln	Ile	Lys	Asp	Thr	Val	Phe	Asp	225	230	235
Lys	Trp	Ser	Ser	Asp	Gln	Leu	Thr	Asn	Trp	Leu	Glu	Ser	His	Lys	Val	245	250	255
Asn	Ile	Asp	Lys	Asn	Met	Ala	Lys	Lys	His	Asp	Tyr	Leu	Val	Arg	Met	260	265	270
Ala	Lys	Glu	Asn	Ser	Ala	Asn	Leu	Lys	Asp	Asp	Ile	Tyr	Trp	Tyr	Leu	275	280	285
Asp	Tyr	Met	Lys	Arg	Glu	Ser	Ser	Pro	Phe	Leu	Thr	Lys	Thr	Pro	Glu	290	295	300
Tyr	Val	Gly	Ser	Val	Trp	Asp	Ser	Ser	Lys	Asn	Phe	Leu	Thr	Asn	Leu	305	310	315
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Tyr Ser Lys Phe Arg Gly Lys Thr Asp Asn Val Ile Asn Asp Thr Phe
 325 330 335
 Leu Val Gly Leu Asp Ser Trp Pro Lys Asp Lys Leu Lys Met Phe Leu
 340 345 350
 Asp Ala Arg Gly Ile Lys Tyr Ser Met Leu Ser Thr Glu His Gln Leu
 355 360 365
 Arg Glu Leu Val Lys Lys Ser Arg Asn Glu Lys Leu Lys Ile Leu Pro
 370 375 380
 Lys Asp Tyr Gln Lys Tyr Phe Asp Asn Ser Asn Trp Ser Leu Asp Asp
 385 390 395 400
 Ile Lys Gly Trp Phe Ala Asp Lys Lys Asp Asp Phe Gln Asp Ser Gln
 405 410 415
 Thr Tyr Ser Thr Ile Met Gln Asp Phe Asp Lys Val Ser Lys Asn Thr
 420 425 430
 Asn Asp Ala Lys Asp Gln Ile Ala Lys Thr Trp Ser Asn Thr Phe Gln
 435 440 445
 Ser Trp Ser Gln Glu Asp Leu Leu Gln Tyr Leu Lys Ser Phe Gly Val
 450 455 460
 Pro Val Lys Gln Thr Ser Thr Lys Asp Asp Leu Ile Asn Leu Ala Lys
 465 470 475 480
 Gln Asn Thr Gln Trp Leu Phe Gly Thr Val Lys Glu Pro Ala Tyr Lys
 485 490 495
 Arg Tyr Leu His Asn Val Lys Asn Trp Ser Lys Ser Ile Leu Gly Phe
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Asn

<210> 213

<211> 2192

<212> DNA

<213> Candida albicans

<400> 213

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<210> 214
 <211> 563
 <212> PRT
 <213> Candida albicans

<400> 214
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 35 40 45
 Ser Pro Ser Cys Asn Val Thr Phe Asn Glu Leu Asn Ala Ile Asn Glu
 50 55 60
 Asn Ile Arg Asp Asp Leu Ser Ala Leu Leu Lys Ser Asp Phe Phe Lys
 65 70 75 80
 Tyr Phe Arg Leu Asp Leu Tyr Lys Gln Cys Ser Phe Trp Asp Ala Asn
 85 90 95
 Asp Gly Leu Cys Leu Asn Arg Ala Cys Ser Val Asp Val Val Glu Asp
 100 105 110
 Trp Asp Thr Leu Pro Glu Tyr Trp Gln Pro Glu Ile Leu Gly Ser Phe

115					120					125					
Asn	Asn	Asp	Thr	Met	Lys	Glu	Ala	Asp	Asp	Ser	Asp	Asp	Glu	Cys	Lys
130						135					140				
Phe	Leu	Asp	Gln	Leu	Cys	Gln	Thr	Ser	Lys	Lys	Pro	Val	Asp	Ile	Glu
145					150					155					160
Asp	Thr	Ile	Asn	Tyr	Cys	Asp	Val	Asn	Asp	Phe	Asn	Gly	Lys	Asn	Ala
				165					170					175	
Val	Leu	Ile	Asp	Leu	Thr	Ala	Asn	Pro	Glu	Arg	Phe	Thr	Gly	Tyr	Gly
			180					185					190		
Gly	Lys	Gln	Ala	Gly	Gln	Ile	Trp	Ser	Thr	Ile	Tyr	Gln	Asp	Asn	Cys
		195					200					205			
Phe	Thr	Ile	Gly	Glu	Thr	Gly	Glu	Ser	Leu	Ala	Lys	Asp	Ala	Phe	Tyr
	210					215					220				
Arg	Leu	Val	Ser	Gly	Phe	His	Ala	Ser	Ile	Gly	Thr	His	Leu	Ser	Lys
225					230					235					240
Glu	Tyr	Leu	Asn	Thr	Lys	Thr	Gly	Lys	Trp	Glu	Pro	Asn	Leu	Asp	Leu
				245					250					255	
Phe	Met	Ala	Arg	Ile	Gly	Asn	Phe	Pro	Asp	Arg	Val	Thr	Asn	Met	Tyr
			260					265					270		
Phe	Asn	Tyr	Ala	Val	Val	Ala	Lys	Ala	Leu	Trp	Lys	Ile	Gln	Pro	Tyr
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Leu	Pro	Glu	Phe	Ser	Phe	Cys	Asp	Leu	Val	Asn	Lys	Glu	Ile	Lys	Asn
	290					295					300				
Lys	Met	Asp	Asn	Val	Ile	Ser	Gln	Leu	Asp	Thr	Lys	Ile	Phe	Asn	Glu
305					310					315					320
Asp	Leu	Val	Phe	Ala	Asn	Asp	Leu	Ser	Leu	Thr	Leu	Lys	Asp	Glu	Phe
			325						330					335	
Arg	Ser	Arg	Phe	Lys	Asn	Val	Thr	Lys	Ile	Met	Asp	Cys	Val	Gln	Cys
			340					345					350		
Asp	Arg	Cys	Arg	Leu	Trp	Gly	Lys	Ile	Gln	Thr	Thr	Gly	Tyr	Ala	Thr
		355					360					365			
Ala	Leu	Lys	Ile	Leu	Phe	Glu	Ile	Asn	Asp	Ala	Asp	Glu	Phe	Thr	Lys
	370					375					380				
Gln	His	Ile	Val	Gly	Lys	Leu	Thr	Lys	Tyr	Glu	Leu	Ile	Ala	Leu	Leu
385					390					395					400
Gln	Thr	Phe	Gly	Arg	Leu	Ser	Glu	Ser	Ile	Glu	Ser	Val	Asn	Met	Phe
				405					410					415	
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Ser Ile Arg Tyr Thr Ile Glu Asn Ile Asn Ser Thr Lys Glu Gly Lys		
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Lys Lys Thr Asn Asn Ser Gln Ser His Val Phe Asp Asp Leu Lys Met		
465	470	475
480		
Pro Lys Ala Glu Ile Val Pro Arg Pro Ser Asn Gly Thr Val Asn Lys		
485	490	495
Trp Lys Lys Ala Trp Asn Thr Glu Val Asn Asn Val Leu Glu Ala Phe		
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Arg Phe Ile Tyr Arg Ser Tyr Leu Asp Leu Pro Arg Asn Ile Trp Glu		
515	520	525
Leu Ser Leu Met Lys Val Tyr Lys Phe Trp Asn Lys Phe Ile Gly Val		
530	535	540
Ala Asp Tyr Val Ser Glu Glu Thr Arg Glu Pro Ile Ser Tyr Lys Leu		
545	550	555
560		
Asp Ile Gln		

<210> 215

<211> 998

<212> DNA

<213> Candida albicans

<400> 215

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gaaggctctt ctctagttct caccttaatt agcattcggg gagaatgcct gcatgttgaa 180
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cgccattacc cgaaaacgag attacagcct ctaaaccaag agctcgaaaa gcgcaaagt 420
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aggtaaagtt atccattttg aaatcattag gattctga 998

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<210> 216

224

<211> 165
 <212> PRT
 <213> Candida albicans

<400> 216
 Met Ser Lys Thr Ala Gln Lys Arg Leu Leu Lys Glu Leu Gln Gln Leu
 1 5 10 15
 Ile Lys Asp Ser Pro Pro Gly Ile Val Ala Gly Pro Lys Ser Glu Asn
 20 25 30
 Asn Ile Phe Ile Trp Asp Cys Leu Ile Gln Gly Pro Pro Asp Thr Pro
 35 40 45
 Tyr Ala Asp Gly Val Phe Asn Ala Lys Leu Glu Phe Pro Lys Asp Tyr
 50 55 60
 Pro Leu Ser Pro Pro Lys Leu Thr Phe Thr Pro Ser Ile Leu His Pro
 65 70 75 80
 Asn Ile Tyr Pro Asn Gly Glu Val Cys Ile Ser Ile Leu His Ser Pro
 85 90 95
 Gly Asp Asp Pro Asn Met Tyr Glu Leu Ala Glu Glu Arg Trp Ser Pro
 100 105 110
 Val Gln Ser Val Glu Lys Ile Leu Leu Ser Val Met Ser Met Leu Ser
 115 120 125
 Glu Pro Asn Ile Glu Ser Gly Ala Asn Ile Asp Ala Cys Ile Leu Trp
 130 135 140
 Arg Asp Asn Arg Pro Glu Phe Glu Arg Gln Val Lys Leu Ser Ile Leu
 145 150 155 160
 Lys Ser Leu Gly Phe
 165

<210> 217
 <211> 1091
 <212> DNA
 <213> Candida albicans

<400> 217
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 ttgcatcgca tccagttctc atgcaatata gttgtatacc atgtcgttga aaggaaccag 180
 agtaaacact tctaccagta tttctttacg gttcggatca aaaccatcac tcattcgggtc 240
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 atccgtaata gttttttttc tattttggac ttttgtaaaa aagggattag ggatacgttg 360
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<210> 218
 <211> 196
 <212> PRT
 <213> Candida albicans

<400> 218
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 Ala Ser Val Phe Val Pro Arg Ile Ser Thr Pro Phe Ile Leu His Asn
 20 25 30
 Tyr Ile Ser Asn Gly Arg Met Asp Leu Phe Ser Lys Glu Phe His Asn
 35 40 45
 Gly Arg Val Ser Lys Ser Asp Leu Trp Ser Ser Asn Lys Glu Glu Glu
 50 55 60
 Leu Leu Val Ser Gln Arg Lys Lys Arg Pro Ile Ser Pro His Leu Thr
 65 70 75 80
 Val Tyr Glu Pro Glu Met Ser Trp Tyr Leu Ser Ser Leu His Arg Ile
 85 90 95
 Ser Gly Val Leu Leu Ala Leu Gly Phe Tyr Ala Phe Thr Ile Thr Leu
 100 105 110
 Gly Val Thr Thr Ile Met Gly Met Asp Thr Thr Phe Gln Asp Leu Asn
 115 120 125
 Lys Trp Tyr His Glu Lys Met Pro Lys Trp Ser Gln Trp Val Ala Lys
 130 135 140
 Gly Ser Ala Ala Tyr Leu Phe Ala Phe His Phe Gly Asn Gly Ile Arg
 145 150 155 160
 His Leu Ile Trp Asp Met Gly Tyr Glu Leu Thr Asn Arg Gly Val Ile
 165 170 175
 Lys Thr Gly Ser Ile Val Leu Ala Gly Thr Leu Val Leu Gly Thr Tyr
 180 185 190
 Leu Leu Ala Gln
 195

<210> 219
 <211> 1121
 <212> DNA
 <213> *Candida albicans*

<400> 219
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 aagtatacaa gagaagaatc ccaagatgtc agctgtccca agtgttcaag tatgttttca 180
 gttctgcaga atgatgtttg atagtatcga taatggagtg agatcaagag aaaaaaatg 240
 aatatgtcag ccaaccaagt tctgagtagg cagtaaatga gtacgcatag tgtatttatc 300
 caaaggaaag aattgttatt tttacaagcc gaattgagat ccaattaggc aatgttttgg 360
 ggagagtatt ttgacaagat tggttaaact actacggtca gttccgtaac cagtacgatt 420
 gtacacataa ggaaacaact gtaaagataa acaataaggg cttccaatgc cattgtaaga 480
 tatcatattc ctaaaacaaa atgtacagcg aatataaagc cagcgtcagt gtcttcctgg 540
 aagggttgccg aactaaagaa gttgaaatta aaatggcaag cgctacattt tcatccattt 600
 tcaactcatca gatgtccaag attttcgaaa aataaatatt ctcatTTTTt tctcaatgaa 660
 ataattgtta ctaacattga atttcctcgt aactaattgc attacttctt tagacttttg 720
 gtaagaagaa atcagctact gctgttgccc atgtcaaggc cggtaagggt ttgatcaagg 780
 ttaatggttc tccaatcact ttggttgaac cagaaatctt aagattcaag gtttacgaac 840
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 gtggtggtca tgtttcccaa gtttacgcca tcagacaagc tattgctaaa ggtttagttg 960
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 gtaagggtgc tcgttccaga ttccaaaaat cttaccgtta a 1121

<210> 220
 <211> 143
 <212> PRT
 <213> *Candida albicans*

<400> 220
 Met Tyr Ser Glu Tyr Lys Ala Ser Thr Phe Gly Lys Lys Lys Ser Ala
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 Thr Ala Val Ala His Val Lys Ala Gly Lys Gly Leu Ile Lys Val Asn
 20 25 30
 Gly Ser Pro Ile Thr Leu Val Glu Pro Glu Ile Leu Arg Phe Lys Val
 35 40 45
 Tyr Glu Pro Leu Leu Leu Val Gly Leu Asp Lys Phe Ser Asn Ile Asp
 50 55 60
 Ile Arg Val Arg Val Thr Gly Gly Gly His Val Ser Gln Val Tyr Ala
 65 70 75 80
 Ile Arg Gln Ala Ile Ala Lys Gly Leu Val Ala Tyr His Gln Lys Tyr
 85 90 95
 Val Asp Glu Gln Ser Lys Asn Glu Leu Lys Lys Ala Phe Thr Ser Tyr
 100 105 110
 Asp Arg Thr Leu Leu Ile Ala Asp Ser Arg Arg Pro Glu Pro Lys Lys
 115 120 125

227

Phe Gly Gly Lys Gly Ala Arg Ser Arg Phe Gln Lys Ser Tyr Arg
 130 135 140

<210> 221
 <211> 707
 <212> DNA
 <213> *Candida albicans*

<400> 221
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 tttccaaaaa aacctaaaca tatgatgcaa acctccaatg agactcaacg taacatgcaa 180
 gtaaatacag aagggttaaga gatagttgtc ttaaaggggt accgaaagca tttaggggag 240
 gcttaagggg ggggtccgat cctatgaagt attaatacgt aatgccaaaa ggaattgttg 300
 aacatctgaa gtggatagat taatcgtaca gtaatcgtac agtactatgt cttactgatg 360
 tcgggaatct caggggcgac cgcccccggc tagaattatc tatataacgg taaaaagaat 420
 aaaactctat tctagttctc gccatttacc ttgactttta tgaaccaata aaagaaattt 480
 ctacaaccaa gacatccaga atgaatacag accaacaaaa agtgagcgaa atatttcaga 540
 gctcaaagga aaaattgcag ggcgatgcaa aggtagtgag tgacgctttt aagaaaaatgg 600
 ctagtcaaga caaggacggc aagactaccg atgctgatga aagtgaaaaa cacaactatc 660
 aagagcaata caacaagctc aaaggggctg ggcataagaa ggagtag 707

<210> 222
 <211> 68
 <212> PRT
 <213> *Candida albicans*

<400> 222
 Met Asn Thr Asp Gln Gln Lys Val Ser Glu Ile Phe Gln Ser Ser Lys
 1 5 10 15
 Glu Lys Leu Gln Gly Asp Ala Lys Val Val Ser Asp Ala Phe Lys Lys
 20 25 30
 Met Ala Ser Gln Asp Lys Asp Gly Lys Thr Thr Asp Ala Asp Glu Ser
 35 40 45
 Glu Lys His Asn Tyr Gln Glu Gln Tyr Asn Lys Leu Lys Gly Ala Gly
 50 55 60
 His Lys Lys Glu
 65

<210> 223
 <211> 1877
 <212> DNA
 <213> *Candida albicans*

<400> 223
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 gttgtttcgt agcagtattc gttgggtccag atgcaggaat gctgggtata aagtttggtg 180

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tgttcgcgat gtgcttttgg atagcctgga atacgaaatc tttgtcttcc tgtaaagtcg 300
ccgttttcctt taaccatttg tgctcccttc ttaagttagt tgacggcttc gtcaccatta 360
ccgccttggtg tgtacgtgta tgatttttta aatataataca acaataatct gtattttttc 420
ctttcctcta gccaatgact ccaagctggc tgataaaaaac aaactaaacg gtaaagccac 480
aaatccgaaa tgtatcacca atgatcacc agcctgctaa gtgccctcta ttgatccgta 540
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aatcctggca gccgaagccg ggcaatccac ttcgaaacgc acggctgaac tatataaata 660
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agccctcggt tccctctagg agcgcttttt cacctattht atcagatgca tcctatgata 1860
cttatgaatt ggtctag 1877

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<210> 224

<211> 458

<212> PRT

<213> *Candida albicans*

<400> 224

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Met Ile Thr Gln Pro Ala Lys Cys Pro Leu Leu Ile Arg Ile Ser Ala
  1                      5                      10                      15

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Phe Arg Ser Gly Ser Ser Phe Leu Leu Tyr Val His Cys Lys Ser Ile
          20                      25                      30

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Asn Lys Ser Trp Gln Pro Lys Pro Gly Asn Pro Leu Arg Asn Ala Arg
    35                      40                      45

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Leu Asn Tyr Ile Asn Ile Lys Asp Met Trp Arg Glu Ala Ser Leu Pro
    50                      55                      60

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Ser His Phe Ala Phe His Asp Leu Lys Trp Phe Phe His Asn Arg Arg
    65                      70                      75                      80

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Ala Pro Thr Arg Asn Met Ala Val Gly Gly Asn Asn Trp Ser Met Trp
          85                      90                      95

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Leu Arg Met Ser Arg Val His Leu Arg Gln Ile Thr Lys Ser Leu Asp
    100                      105                      110

```


230

Asn Ala Leu Val Asn Val Asp Asn Ser Gly Ser Val Trp Ser Phe Val
 420 425 430

Lys Glu Pro Ser Phe Pro Ser Arg Ser Ala Phe Ser Pro Ile Leu Ser
 435 440 445

Asp Ala Ser Tyr Asp Thr Tyr Glu Leu Val
 450 455

<210> 225
 <211> 1228
 <212> DNA
 <213> Candida albicans

<400> 225
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 tataatttgg ctacgttgtc ttccggtggt tttcaattga ttttaagttac aacactcaaa 180
 tctgggtaat ttgatctttt ttaataatta ttttagtgac atatagttct tagagttcgc 240
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 atcccaaaga cctcaaagaa gatactaa 1228

<210> 226
 <211> 105
 <212> PRT
 <213> Candida albicans

<400> 226
 Met Leu Met Pro Lys Gln Glu Arg Asn Lys Ile His Gln Tyr Leu Phe
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 Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Ala Lys His
 20 25 30
 Glu Glu Ile Asp Thr Lys Asn Leu Tyr Val Ile Lys Ala Leu Gln Ser
 35 40 45
 Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr

50		55		60
Tyr Tyr Thr Leu Thr Glu Glu Gly Val Glu Tyr Leu Arg Glu Tyr Leu				
65		70		75
Asn Leu Pro Glu His Ile Val Pro Gly Thr Tyr Ile Gln Glu Arg Asn				
	85		90	95
Pro Ser Gln Arg Pro Gln Arg Arg Tyr				
100		105		

<210> 227
 <211> 3998
 <212> DNA
 <213> Candida albicans

<400> 227

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ttaatccagg attcttcagt ataagcgttt cccaagtcga tttggacatt tttgcaaaaa 3480
gttcttacct gaagtgcgat tctaattggtg actgtacagt aatggaacag gaacggaaaa 3540
ttttacaaat aacgacaaat ctttcgtag ttgaagagag tgctaataat gatattagt 3600
gtgggaacat agagacggtg ttactaggaa ccgctaaaaa actagagaca ccattaaagt 3660
tccagggcgg cgcattttaat aggaactacg atgtgtcagt ctcgagtgtc aagcttttaa 3720
gtcctgggtc tegtgaagcc aagcacgaaa acgacgatga tgacgatgat gatggcgacg 3780
atggtgacga tgaatacaat actaatgaaa gacaatacaa aagcaaacca aatgctagag 3840
atgacaaaga agatgatac aaaaaatgga agctactaat caagcatgat tacgaattga 3900
tagtccgtgg aagcatgaag tatgaggtgc ctttttcaa tacgcaaaaa tctacggcta 3960
ttcaaaagga ttccatggtc catcctggta agaagtga 3998

```

<210> 228

<211> 1165

<212> PRT

<213> Candida albicans

<400> 228

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Met Thr Glu Glu Asp Arg Lys Leu Thr Val Glu Thr Glu Thr Val Glu
  1                      5                      10                      15

Ala Pro Val Ala Asn Asn Leu Leu Leu Ser Asn Asn Ser Asn Val Val
      20                      25                      30

Ala Pro Asn Pro Ser Ile Pro Ser Ala Ser Thr Ser Thr Ser Pro Leu
      35                      40                      45

His Arg Glu Ile Val Asp Asp Ser Val Ala Thr Ala Asn Thr Thr Ser
      50                      55                      60

Asn Val Val Gln His Asn Leu Pro Thr Ile Asp Asn Asn Leu Met Asp
      65                      70                      75                      80

Ser Asp Ala Thr Ser His Asn Gln Asp His Trp His Ser Asp Ile Asn
      85                      90                      95

Arg Ala Gly Thr Ser Met Ser Thr Ser Asp Ile Pro Thr Asp Leu His
      100                      105                      110

```

Leu Glu His Ile Gly Ser Val Ser Ser Thr Asn Asn Asn Ser Asn Asn
 115 120 125
 Ala Leu Ile Asn His Asn Pro Leu Ser Ser His Leu Ser Asn Pro Ser
 130 135 140
 Ser Ser Leu Arg Asn Lys Lys Ser Ser Leu Leu Val Ala Ser Asn Pro
 145 150 155 160
 Ala Phe Ala Ser Asp Val Glu Leu Ser Lys Lys Lys Pro Ala Val Ile
 165 170 175
 Ser Asn Asn Met Pro Thr Ser Asn Ile Ala Leu Tyr Gln Thr Ala Arg
 180 185 190
 Ser Ala Asn Ile His Gly Pro Ser Ser Thr Ser Ala Ser Lys Ala Phe
 195 200 205
 Arg Lys Ala Ser Ala Phe Ser Asn Asn Thr Ala Pro Ser Thr Ser Asn
 210 215 220
 Asn Ile Gly Ser Asn Thr Pro Pro Ala Pro Leu Leu Pro Leu Pro Ser
 225 230 235 240
 Leu Ser Gln Gln Asn Lys Pro Lys Ile Ile Glu Arg Pro Thr Met His
 245 250 255
 Val Thr Asn Ser Arg Glu Ile Leu Leu Gly Glu Asn Leu Leu Asp Asp
 260 265 270
 Thr Lys Ala Lys Asn Ala Pro Ala Asn Ser Thr Thr His Asp Asn Gly
 275 280 285
 Pro Val Ala Asn Asp Gly Leu Arg Ile Pro Asn His Ser Asn Ala Asp
 290 295 300
 Asp Asn Glu Asn Asn Asn Lys Met Lys Lys Asn Lys Asn Ile Asn Ser
 305 310 315 320
 Gly Lys Asn Glu Arg Asn Asp Asp Thr Ser Lys Ile Cys Thr Thr Ser
 325 330 335
 Thr Lys Thr Ala Pro Ser Thr Ala Pro Leu Gly Ser Thr Asp Asn Thr
 340 345 350
 Gln Ala Leu Thr Ala Ser Val Ser Ser Ser Asn Ala Asp Asn His Asn
 355 360 365
 Asn Asn Lys Lys Lys Thr Ser Ser Asn Asn Asn Gly Asn Asn Ser Asn
 370 375 380
 Ser Ala Ser Asn Lys Thr Asn Ala Asp Ile Lys Asn Ser Asn Ala Asp
 385 390 395 400
 Leu Ser Ala Ser Thr Ser Asn Asn Asn Ala Ile Asn Asp Asp Ser His
 405 410 415

Glu	Ser	Asn	Ser	Glu	Lys	Pro	Thr	Lys	Ala	Asp	Phe	Phe	Ala	Ala	Arg	420	425	430
Leu	Ala	Thr	Ala	Val	Gly	Glu	Asn	Glu	Ile	Ser	Asp	Ser	Glu	Glu	Thr	435	440	445
Phe	Val	Tyr	Glu	Ser	Ala	Ala	Asn	Ser	Thr	Lys	Asn	Leu	Ile	Phe	Pro	450	455	460
Asp	Ser	Ser	Ser	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Pro	Lys	Gln	465	470	475
Gln	Gln	Gln	Gln	Gln	Asn	His	Gly	Ile	Thr	Ser	Lys	Ile	Ser	Ala	Pro	485	490	495
Leu	Leu	Asn	Asn	Asn	Lys	Lys	Leu	Leu	Ser	Arg	Leu	Lys	Asn	Ser	Arg	500	505	510
His	Ile	Ser	Thr	Gly	Ala	Ile	Leu	Asn	Asn	Thr	Ile	Ala	Thr	Ile	Ser	515	520	525
Thr	Asn	Pro	Asn	Leu	Asn	Ser	Asn	Val	Met	Gln	Asn	Asn	Asn	Asn	Leu	530	535	540
Met	Ser	Gly	His	Asn	His	Leu	Asp	Glu	Leu	Ser	Ser	Ile	Lys	Gln	Glu	545	550	555
Pro	Pro	His	Gln	Leu	Gln	Gln	Gln	Gln	Pro	Pro	Met	Asp	Val	Gln	Ser	565	570	575
Val	Asp	Ser	Tyr	Thr	Ser	Asp	Asn	Pro	Asp	Ser	Asn	Val	Ile	Ala	Lys	580	585	590
Ser	Pro	Asp	Lys	Arg	Ser	Ser	Leu	Val	Ser	Leu	Ser	Lys	Val	Ser	Pro	595	600	605
His	Leu	Leu	Ser	Ser	Thr	Ser	Ser	Asn	Gly	Asn	Thr	Ile	Ser	Cys	Pro	610	615	620
Asn	Val	Ala	Thr	Asn	Ser	Gln	Glu	Leu	Glu	Pro	Asn	Asn	Asp	Ile	Ser	625	630	635
Thr	Lys	Lys	Ser	Leu	Ser	Asn	Ser	Thr	Leu	Arg	His	Ser	Ser	Ala	Asn	645	650	655
Arg	Asn	Ser	Asn	Tyr	Gly	Asp	Asn	Lys	Arg	Pro	Leu	Arg	Thr	Thr	Val	660	665	670
Ser	Lys	Ile	Phe	Asp	Ser	Asn	Pro	Asn	Gly	Ala	Pro	Leu	Arg	Arg	Tyr	675	680	685
Ser	Gly	Val	Pro	Asp	His	Val	Asn	Leu	Glu	Asp	Tyr	Ile	Glu	Gln	Pro	690	695	700
His	Asn	Tyr	Pro	Thr	Met	Gln	Asn	Ser	Val	Lys	Lys	Asp	Glu	Phe	Tyr	705	710	715
																		720

Asn Ser Arg Asn Asn Lys Phe Pro His Gly Leu Asn Phe Tyr Gly Asp
 725 730 735
 Asn Asn Val Ile Glu Glu Glu Asn Asn Gly Asp Ser Ser Asn Val Asn
 740 745 750
 Arg Pro Gln His Thr Asn Leu Gln His Glu Phe Ile Pro Glu Asp Asn
 755 760 765
 Glu Ser Asp Glu Asn Asp Ile His Ser Met Phe Tyr Tyr Asn His Lys
 770 775 780
 Asn Asp Leu Glu Thr Lys Pro Leu Ile Ser Asp Tyr Gly Glu Asp Glu
 785 790 795 800
 Asp Val Asp Asp Tyr Asp Arg Pro Asn Ala Thr Phe Asn Ser Tyr Tyr
 805 810 815
 Gly Ser Ala Ser Asn Thr His Glu Leu Pro Leu His Gly Arg Met Pro
 820 825 830
 Ser Arg Ser Asn Asn Asp Tyr Tyr Asp Phe Met Val Gly Asn Asn Thr
 835 840 845
 Gly Asn Asn Asn Gln Leu Asn Glu Tyr Thr Pro Leu Arg Met Lys Arg
 850 855 860
 Gly Gln Arg His Leu Ser Arg Thr Asn Asn Ser Ile Met Asn Gly Ser
 865 870 875 880
 Ile His Met Asn Gly Asn Asp Asp Val Thr His Ser Asn Ile Asn Asn
 885 890 895
 Asn Asp Ile Val Gly Tyr Ser Pro His Asn Phe Tyr Ser Arg Lys Ser
 900 905 910
 Pro Phe Val Lys Val Lys Asn Phe Leu Tyr Leu Ala Phe Val Ile Ser
 915 920 925
 Ser Leu Leu Met Thr Gly Phe Ile Leu Gly Phe Leu Leu Ala Thr Asn
 930 935 940
 Lys Glu Leu Gln Asp Val Asp Val Val Val Met Asp Asn Val Ile Ser
 945 950 955 960
 Ser Ser Asp Glu Leu Ile Phe Asp Ile Thr Val Ser Ala Phe Asn Pro
 965 970 975
 Gly Phe Phe Ser Ile Ser Val Ser Gln Val Asp Leu Asp Ile Phe Ala
 980 985 990
 Lys Ser Ser Tyr Leu Lys Cys Asp Ser Asn Gly Asp Cys Thr Val Met
 995 1000 1005
 Glu Gln Glu Arg Lys Ile Leu Gln Ile Thr Thr Asn Leu Ser Leu Val
 1010 1015 1020

Glu Glu Ser Ala Asn Asn Asp Ile Ser Gly Gly Asn Ile Glu Thr Val
1025 1030 1035 1040

Leu Leu Gly Thr Ala Lys Lys Leu Glu Thr Pro Leu Lys Phe Gln Gly
1045 1050 1055

Gly Ala Phe Asn Arg Asn Tyr Asp Val Ser Val Ser Ser Val Lys Leu
1060 1065 1070

Leu Ser Pro Gly Ser Arg Glu Ala Lys His Glu Asn Asp Asp Asp Asp
1075 1080 1085

Asp Asp Asp Gly Asp Asp Gly Asp Asp Glu Asn Asn Thr Asn Glu Arg
1090 1095 1100

Gln Tyr Lys Ser Lys Pro Asn Ala Arg Asp Asp Lys Glu Asp Asp Thr
1105 1110 1115 1120

Lys Lys Trp Lys Leu Leu Ile Lys His Asp Tyr Glu Leu Ile Val Arg
1125 1130 1135

Gly Ser Met Lys Tyr Glu Val Pro Phe Phe Asn Thr Gln Lys Ser Thr
1140 1145 1150

Ala Ile Gln Lys Asp Ser Met Val His Pro Gly Lys Lys
1155 1160 1165

<210> 229

<211> 1076

<212> DNA

<213> Candida albicans

<400> 229

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gacgactatt gatgccaggc aaatttttga tttactgctc ctctttttaag aagacaagtg 60
tgtgatatcg tagcggtagg aaccaatttt gcaatcgatt tacttacagc caagaaaatc 120
tattttcatg ttttagcattg ccatttcttc tgtgtcacac gttgtgcttg ccaggaacta 180
taggagagac gtatacaagc atcaatgtta cgaatgtacg atcccgtttg catctgatgt 240
gtaaactcat gtggtgcact ggtgtgtgtt ccaagactgc actattaact ggggaattttt 300
ttttttcttc tagtgaattt ttttttaaag cgacgcacag gaaaagtga aattatttaa 360
acggacggca aacatgaaaa aaaaaattac caaccatatt tctatttctt ttccctttac 420
ctatttctct tttgaaatag ttcattttct ctctctgaaa cgacaataaa ccaaactcta 480
gcctccaata gtcactaaag atgaagtaca ttcaaaccga acaacaaatt gaaatcccag 540
aagggtgttac tgtcagcatt aagtccagaa tcgtcaaggt tgtcggtcca agagggtactt 600
tgaccaagaa cttgaagcat attgatgtta ccttcaccaa ggtcaacaac caattgatca 660
agggttgctgt tcacaacggg gacagaaagc acgttgccgc tttgagaacc gttaaatctt 720
tggttgacaa catgatcact ggtgtcacca agggttacaa gtacaagatg agatacgtct 780
acgcgcattt cccaatcaac gtcaacattg ttgaaaagga tggtgctaaa ttcattgaag 840
tcagaaactt tttgggtgac aagaagatca gaaacgtccc agttagagat ggtgttacta 900
tcgaattctc tactaacgta aaggacgaaa tcgtcttctc tggttaactct gttgaagacg 960
tttcccaaaa tgccgctgac ttgcaacaaa tctgtcgtgt tagaaacaag gatatccgta 1020
agtttttggg tggtatctac gtttcccaca agggtttcat tgtcgaagac atgtaa 1076

```

<210> 230

237

<211> 191
 <212> PRT
 <213> Candida albicans

<400> 230

```

Met Lys Tyr Ile Gln Thr Glu Gln Gln Ile Glu Ile Pro Glu Gly Val
 1             5             10             15

Thr Val Ser Ile Lys Ser Arg Ile Val Lys Val Val Gly Pro Arg Gly
      20             25             30

Thr Leu Thr Lys Asn Leu Lys His Ile Asp Val Thr Phe Thr Lys Val
      35             40             45

Asn Asn Gln Leu Ile Lys Val Ala Val His Asn Gly Asp Arg Lys His
 50             55             60

Val Ala Ala Leu Arg Thr Val Lys Ser Leu Val Asp Asn Met Ile Thr
 65             70             75             80

Gly Val Thr Lys Gly Tyr Lys Tyr Lys Met Arg Tyr Val Tyr Ala His
      85             90             95

Phe Pro Ile Asn Val Asn Ile Val Glu Lys Asp Gly Ala Lys Phe Ile
      100            105            110

Glu Val Arg Asn Phe Leu Gly Asp Lys Lys Ile Arg Asn Val Pro Val
      115            120            125

Arg Asp Gly Val Thr Ile Glu Phe Ser Thr Asn Val Lys Asp Glu Ile
      130            135            140

Val Leu Ser Gly Asn Ser Val Glu Asp Val Ser Gln Asn Ala Ala Asp
      145            150            155            160

Leu Gln Gln Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu
      165            170            175

Asp Gly Ile Tyr Val Ser His Lys Gly Phe Ile Val Glu Asp Met
      180            185            190

```

<210> 231
 <211> 1373
 <212> DNA
 <213> Candida albicans

<400> 231

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tcgatggata tcccatccaa gaacaggaat actggggttt tgaagaccag aatggagatc 60
tctgaggaag aaaagatggt acgtacaata tcacggcttg acaatacgag tattgcaaac 120
agtaatggaa atggtaatga tgacacctct aatcagagaa cggaagcact ggggcgtaag 180
acgagtaatg gagggcgaat atgattacta agttaaataa atcagatata gtatttaaag 240
ttctttcaaa aaaagataat gtcatatatt ttactatcta cgcagtgaaa gagttccttc 300
taatgacaca ctattcactt cgggtaacgg atattgtgta ctgaaaaata taaaaaattt 360
tatcccgga atgcgatgag atgaaaatgc atgaagtagc gtatatattg attgcatgag 420
gttggaacttg aaagggcata tatactcggt tttatcattg attcaagtgt tcccataaat 480

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aataaaacag ttaaatacgaa atgctaagaa gacaagcccc tgaaaggaga gaatatctat 540
acagaaaagc gcaagaatta caagattctc aactgcaaca aaaacgtcaa ataattaaac 600
aagcgctagc tcaggggaag ccattgccaa aggaactagc agaagatgag agtttacaaa 660
aggatttcag atatgaccaa agtttaaagg agagcgaaga agcagatgat ctacagggtg 720
atgatgaata tgctgccaca agtggtataa tggatccaag aatcatcgtc acaacatctc 780
gtgacccaag cactcgtctc tcgcaatttg ccaaagaaat taaactgcta tttccaaatg 840
ctgtcagggt gaacagaggt aattatgtga tgccaaatct agtggatgct tgtaaaaaat 900
ccggtactac agatttggtg gtattacatg aacatagagg tgttccaact tctttgacca 960
tatcacattt tccacatgga cccactgcac agtttagttt acacaatggt gttatgagac 1020
atgatattat aaatgctggt aaccaaagcg aagtgaatcc acatctaata tttgataact 1080
ttactaccgc tttagggaaa agagtagtct gtattttaaa gcacttggtc aatgcggggc 1140
ccaaaaaaga ttccgaaaga gtaatcactt ttgcgaatag gggtgatttc attagcgtaa 1200
gacagcatgt atatgtgaga acaagagagg gagtagagat tgccgaagtt ggtcctagat 1260
ttgagatgag gttgtttgaa ctgaggttgg gaactttaga aaataaggac gctgatgttg 1320
agtggcagtt gagaagattc ataaggactg ccaataaaaa agactatttg tga 1373

```

<210> 232

<211> 290

<212> PRT

<213> Candida albicans

<400> 232

```

Met Leu Arg Arg Gln Ala Arg Glu Arg Arg Glu Tyr Leu Tyr Arg Lys
 1              5              10              15

Ala Gln Glu Leu Gln Asp Ser Gln Leu Gln Gln Lys Arg Gln Ile Ile
      20              25              30

Lys Gln Ala Leu Ala Gln Gly Lys Pro Leu Pro Lys Glu Leu Ala Glu
      35              40              45

Asp Glu Ser Leu Gln Lys Asp Phe Arg Tyr Asp Gln Ser Leu Lys Glu
      50              55              60

Ser Glu Glu Ala Asp Asp Leu Gln Val Asp Asp Glu Tyr Ala Ala Thr
      65              70              75              80

Ser Gly Ile Met Asp Pro Arg Ile Ile Val Thr Thr Ser Arg Asp Pro
      85              90              95

Ser Thr Arg Leu Ser Gln Phe Ala Lys Glu Ile Lys Leu Leu Phe Pro
      100             105             110

Asn Ala Val Arg Leu Asn Arg Gly Asn Tyr Val Met Pro Asn Leu Val
      115             120             125

Asp Ala Cys Lys Lys Ser Gly Thr Thr Asp Leu Val Val Leu His Glu
      130             135             140

His Arg Gly Val Pro Thr Ser Leu Thr Ile Ser His Phe Pro His Gly
      145             150             155             160

Pro Thr Ala Gln Phe Ser Leu His Asn Val Val Met Arg His Asp Ile
      165             170             175

Ile Asn Ala Gly Asn Gln Ser Glu Val Asn Pro His Leu Ile Phe Asp

```

239

180	185	190
Asn Phe Thr Thr Ala Leu Gly Lys Arg Val Val Cys Ile Leu Lys His		
195	200	205
Leu Phe Asn Ala Gly Pro Lys Lys Asp Ser Glu Arg Val Ile Thr Phe		
210	215	220
Ala Asn Arg Gly Asp Phe Ile Ser Val Arg Gln His Val Tyr Val Arg		
225	230	235
Thr Arg Glu Gly Val Glu Ile Ala Glu Val Gly Pro Arg Phe Glu Met		
245	250	255
Arg Leu Phe Glu Leu Arg Leu Gly Thr Leu Glu Asn Lys Asp Ala Asp		
260	265	270
Val Glu Trp Gln Leu Arg Arg Phe Ile Arg Thr Ala Asn Lys Lys Asp		
275	280	285
Tyr Leu		
290		

<210> 233

<211> 1418

<212> DNA

<213> Candida albicans

<400> 233

```

aacacacctac ttatagacac gaccaaactt tccacaacct ttcacagag agaaatgttg 60
atcaagttga atgcgtgaaa gtagcaattc gaaacaacaa ctacctgtca ttctgcatag 120
tagtagttac gaaaggcaca gaaaataaca aaaaaaaaaa aaaagtcaat tttctacgg 180
ctccatccgt acctctttaa atccgtacat tattgttttg cttaatttca atatttcgga 240
aaaagcgagc gccctggtaa aatgtgggtc aagcctgcga gcctttgctt ggtaactcac 300
caaatgcaat tcagtcacgt tccacacagt ttgggtttcc agcctggctt tagggaagaa 360
tgggctcact aggcgttcat aatacgcgga gggggaaata ccaaatgcta ttgattatgg 420
ttaaaatatg tgttatttga ctttgtatat acaaacagaa gagaaaccaa cactactaaag 480
actagacaca taactgacca atgtcctctg tccaatccaa gatcttatcc caagctccaa 540
gtgagttgga attacaagtc gccaaagacc tcacgatctc agaaagctcc tctccagaac 600
taaaggctga cttgagacca ttgcaaatca aatctatcag agaagtatgt taaaagttat 660
ataatttgga agcagcaaca ttgtgatttc ttctaaaggg gttctttgca gtaatttttt 720
caaaaaagag tgatttttgag cagtatctgt atgaaatttt catgtgttcg agaaaaatag 780
taattccgag agctgtcaat accatgaacg ttgcatgag cctttgaact ataaaggcct 840
ccttggtcag taccaatatc gatgaataaa atagaagcac gcgaaaaaga ccttacccca 900
aggagaagaa tcacaaaccc ttttttgtta tgaatgaacc aattcagtta ctaactttat 960
ttcaacgctg cttgattctt attgtttaga ttgatgtcac cgggtggtaag aaagcactag 1020
tcctttttgt ccagttcca gctttgtctg cataccataa ggtccaaacc aaattgacct 1080
gtgaattgga aaagaaattc cctgaccgtc atgttatttt cttggctgaa agaagaatct 1140
tgccaaaacc atctagaaca tctagacaag tccaaaagag accaagatcc agaactttga 1200
ctgctgttca cgacaagggt ttggaagaca tgggtttccc aactgaaatt gtcggtaaaa 1260
gagttagata tttggttggt ggtaacaaga tccaaaaggt tttgtagac tccaaggatg 1320
ttcaacaaat cgactacaag ttggaatctt tccaagctgt ctacaacaag ttgactggca 1380
aacaattgt ttttgaaatt ccaagccaga ccaactaa 1418

```

240

<210> 234
 <211> 190
 <212> PRT
 <213> Candida albicans

<400> 234
 Met Ser Ser Val Gln Ser Lys Ile Leu Ser Gln Ala Pro Ser Glu Leu
 1 5 10 15
 Glu Leu Gln Val Ala Lys Thr Phe Ile Asp Leu Glu Ser Ser Ser Pro
 20 25 30
 Glu Leu Lys Ala Asp Leu Arg Pro Leu Gln Ile Lys Ser Ile Arg Glu
 35 40 45
 Ile Asp Val Thr Gly Gly Lys Lys Ala Leu Val Leu Phe Val Pro Val
 50 55 60
 Pro Ala Leu Ser Ala Tyr His Lys Val Gln Thr Lys Leu Thr Arg Glu
 65 70 75 80
 Leu Glu Lys Lys Phe Pro Asp Arg His Val Ile Phe Leu Ala Glu Arg
 85 90 95
 Arg Ile Leu Pro Lys Pro Ser Arg Thr Ser Arg Gln Val Gln Lys Arg
 100 105 110
 Pro Arg Ser Arg Thr Leu Thr Ala Val His Asp Lys Val Leu Glu Asp
 115 120 125
 Met Val Phe Pro Thr Glu Ile Val Gly Lys Arg Val Arg Tyr Leu Val
 130 135 140
 Gly Gly Asn Lys Ile Gln Lys Val Leu Leu Asp Ser Lys Asp Val Gln
 145 150 155 160
 Gln Ile Asp Tyr Lys Leu Glu Ser Phe Gln Ala Val Tyr Asn Lys Leu
 165 170 175
 Thr Gly Lys Gln Ile Val Phe Glu Ile Pro Ser Gln Thr Asn
 180 185 190

<210> 235
 <211> 1333
 <212> DNA
 <213> Candida albicans

<400> 235
 ttcacaccca atatagacta atgcgttttg gaacgccaaa ccgcagtgac aaatagcaaa 60
 tatgtagctg tcatacggc atataataac agttttctac caaatgctgt cctacattca 120
 gagatcttac atccttacat ctaaagtaaa acctagacat ttacttcgag ttatactttt 180
 tttttattta tctatttttt ctcttgcgga catttaacac ctgaattccg cctaacgcca 240
 ggactgatcc tgccaggga gggagctttg tctagtgcc ataggccgga ccagtaggaa 300
 ggttacagca gctggccgc agagtgattg ggtcacagga aatagcgcaa ctttctcttt 360
 tgcccgggaa aggcggttca atctaccttc gaagggctag tacatgagcg cgaaggaggc 420

```

agataatagc accattaagt ggtccaaatg catcttgaaa tctaatecctt aatagaggaa 480
aacaacaatt atcagtaaaa atgggtatgt tataaccata attcctaatt gtgaataaaa 540
tcaggaccaa taaagaaaag ctaatttgat ttttattgtc aatgaaattt cataatcgtc 600
atgaatgcat aaacagacac acctagcaac tgtataatct ggcctaaaaa agggcgata 660
cacaaaacta aacgatgcgc aataaaaagt cagcagtcag caatgaaacc gagatatgca 720
gcaacagagt atcatatgca tggaggatcc tttctgtttt tctgataata tgctctgaaa 780
aagctccaaa cagcacagta gcctatttgt gaagctcaaa aaaggcttct atttcctcg 840
ctatcttcag attgtgcagt gatattcttt gaggaaggaa acgtagaggg gataagttgg 900
ataactgtta tttcttttca atatgctaga ttttgcttac caccttactg attttttcta 960
ataataaact tttttactaa cattagtacg atgtctcatc tatttcttct atttagttaa 1020
cgttccaaag accagaaaaga cctactgtaa gggtaagacc tgtcgtaagc acactcaaca 1080
caagggttact caatacaaag ctggtaaggc ttccttgttt gcccaaggta agagacgtta 1140
tgaccgtaaa caatctggtt tcggtggtca aaccaagcct gttttccaca agaaagctaa 1200
gactaccaag aagggtgttt tgagattgga atgtgtcaaa tgtaagacca gagcccaatt 1260
gaccttgaag agatgcaagc acttcgaatt ggggtggtgaa aagaagcaaa aggggtcaagc 1320
tttgcaattc tga
1333

```

<210> 236
 <211> 116
 <212> PRT
 <213> Candida albicans

```

<400> 236
Met Val Arg Cys Leu Ile Tyr Phe Phe Tyr Leu Val Asn Val Pro Lys
 1             5             10            15
Thr Arg Lys Thr Tyr Cys Lys Gly Lys Thr Cys Arg Lys His Thr Gln
          20             25             30
His Lys Val Thr Gln Tyr Lys Ala Gly Lys Ala Ser Leu Phe Ala Gln
      35             40             45
Gly Lys Arg Arg Tyr Asp Arg Lys Gln Ser Gly Phe Gly Gly Gln Thr
 50             55             60
Lys Pro Val Phe His Lys Lys Ala Lys Thr Thr Lys Lys Val Val Leu
 65             70             75             80
Arg Leu Glu Cys Val Lys Cys Lys Thr Arg Ala Gln Leu Thr Leu Lys
          85             90             95
Arg Cys Lys His Phe Glu Leu Gly Gly Glu Lys Lys Gln Lys Gly Gln
      100             105            110
Ala Leu Gln Phe
      115

```

<210> 237
 <211> 1223
 <212> DNA
 <213> Candida albicans

```

<400> 237
gggtccacgtc agttccacac aataacattt acgtagtgtt cacgcgaagc agttacatct 60

```

```

caactaacat aattgctggt gagcctacaa cactgcatgc gtaaacgtca acgggattac 120
gttagtattt ttggccgcgg gtaaatcttc ttgttttttt ttcttgattt cacttctttt 180
catgttcctt tgggaataatc taattcctca tgattaaatg agactgtttt ttgtttccgt 240
aacatccata cctttcctgt ataataattct tgctgtaaag tttgtttttt ttatgaaaaa 300
aacattttct tttcttgaga tgaggcgccg cgagcctttc tcccatgggc agtggtaaat 360
tttccaaatc aatgcagctc tttgaaatac aacagcattt ttcatacatt ttaagcaatt 420
tctagtttgt agatattggt agattagttt ttgaacattg ttttgataac tgaaaataaa 480
acagcaaaaca aactacaaaa atggtcgctt taatctctaa gaaaagaaag ctagtgcgtg 540
acggtgtcct ctacgctgaa ttgaacgaat tcttcaccag agaattagct gaagaagggt 600
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gaactcaaga tgttttgggt gaaaacggta gaagaatcaa cgaattaact ttgttggttc 720
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gtggtttgtc cgctgtcgct caagctgaat ctatgaaatt caaattgttg aacgggttgg 840
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agagcagaac tgggtccaaag gctttgccag atgctgtcac catcattgaa ccaaaagaag 1140
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aagctgaacc agttgaagct tag                                     1223

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<210> 238

<211> 240

<212> PRT

<213> Candida albicans

<400> 238

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Met Val Ala Leu Ile Ser Lys Lys Arg Lys Leu Val Ala Asp Gly Val
  1             5             10             15

Phe Tyr Ala Glu Leu Asn Glu Phe Phe Thr Arg Glu Leu Ala Glu Glu
      20             25             30

Gly Tyr Ser Gly Val Glu Val Arg Val Thr Pro Thr Lys Thr Glu Val
      35             40             45

Ile Ile Arg Ala Thr Arg Thr Gln Asp Val Leu Gly Glu Asn Gly Arg
      50             55             60

Arg Ile Asn Glu Leu Thr Leu Leu Val Gln Lys Arg Phe Lys Tyr Ala
      65             70             75             80

Pro Gly Thr Ile Val Leu Tyr Ala Glu Arg Val Gln Asp Arg Gly Leu
      85             90             95

Ser Ala Val Ala Gln Ala Glu Ser Met Lys Phe Lys Leu Leu Asn Gly
      100            105            110

Leu Ala Ile Arg Arg Ala Ala Tyr Gly Val Val Arg Tyr Val Met Glu
      115            120            125

Ser Gly Ala Lys Gly Cys Glu Val Val Val Ser Gly Lys Leu Arg Ala
      130            135            140

Ala Arg Ala Lys Ala Met Lys Phe Ala Asp Gly Phe Leu Ile His Ser
      145            150            155            160

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Gly	Gln	Pro	Val	Asn	Asp	Phe	Ile	Asp	Thr	Ala	Thr	Arg	His	Val	Leu
				165					170					175	
Met	Arg	Gln	Gly	Val	Leu	Gly	Ile	Lys	Val	Lys	Ile	Met	Arg	Asp	Pro
		180						185					190		
Ala	Lys	Ser	Arg	Thr	Gly	Pro	Lys	Ala	Leu	Pro	Asp	Ala	Val	Thr	Ile
		195					200					205			
Ile	Glu	Pro	Lys	Glu	Glu	Glu	Pro	Ile	Leu	Ala	Pro	Ser	Val	Lys	Asp
	210					215					220				
Tyr	Arg	Pro	Ala	Glu	Glu	Thr	Glu	Ala	Gln	Ala	Glu	Pro	Val	Glu	Ala
225					230				235					240	

<210> 239
 <211> 2168
 <212> DNA
 <213> Candida albicans

<400> 239

ctttgataaa	ttaatacggg	aagataccgt	gtgaactatt	ataataactg	ccacgcttat	60
agcatgtacg	ctatacat	acgtgctgag	ctcctaggaa	agctcatgag	cagccactgt	120
atcgtggagc	ataactacaa	caaagaatac	acagcgtcac	atagagggtt	tttgagagga	180
gaagttgaaa	taggacttga	tcttggggga	gaggggattt	gaaagcacc	attcaggagt	240
atgtgtctgt	aattgaagt	ttagcgcgcg	attcacctgt	aataagagt	atgatttgat	300
agcgccattc	tacatcatat	ggcaaagt	gaaaaactgt	acgcgcgaac	taaaattttt	360
ttttacatcc	cactaaatga	aaatttttaa	tcgatgccca	ttccaaatat	gcttattcga	420
aggacggctc	tgacaagggc	atatgcgtta	agattgattg	ttcaatat	ataaaacagg	480
atctttcaag	ggacgataaa	atggatgagc	aagttatttt	tacaacaaat	acctcaggaa	540
caatagcttc	tgtacactca	tttgaacaga	taaatttgag	gcaatgctcc	actcaatcaa	600
gaaatagctg	tgttcaagta	ggaaataaat	acctttttat	tgctcaagca	caaaaagcat	660
taatcaatgt	ctacaatctg	tcaggttcct	tcaaaagaga	atctgttgaa	cagcgcttac	720
cattacctga	aatcctaaaa	tgtctggaag	tagttgaaaa	tgatgggtgt	cagtatgata	780
gaattcaagg	tgtcaatcat	aatttaccag	acttcaatct	tccgtacctt	ttacttggct	840
ccaccgaatc	gggtaaattg	tacatatggg	agttaaattc	agggatttta	ttgaacgtga	900
agcctatggc	tcattaccaa	agtatcacca	agattaagtc	cattttaaac	ggcaagtata	960
ttattacttc	tggtaacgat	tcgagagtta	ttatatggca	aactgttgac	ttggtatcag	1020
cgtccaatga	tgatcctaag	cctttatgta	tccttcacga	tcataactta	cccgtgacag	1080
atttccaagt	ttcttctagt	caaggaaaat	ttttatcatg	tactgatagc	aaactcttca	1140
cagtatctca	agatgctacc	attagatgct	atgatttgag	tttaataggc	agcaaaaaga	1200
agcagaaggc	aaacgaaaat	gacgttagta	ttggtaagac	cccagtattg	cttgcgacat	1260
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tcgttaatct	gctacagtcc	gccggagtaa	acacagttca	aaaaggtagg	gttttttccc	1440
tagtgcaacg	taactcacta	actggcgggc	aaaatgaaga	tttgatgca	ctatatgcaa	1500
tgggccaact	tgtctgtgag	aatgtcctaa	attcaaagt	gtcatgccta	gaaatatcaa	1560
tggatggtac	attattattg	atcggtgata	cggaggggaa	agtttctatt	gcggaaaattt	1620
actcaaaaca	aatcattaga	actatccaaa	ctttaactac	atcacaggat	tcagttggag	1680
aagtgaccaa	tctcttaacc	aacccttaca	gactcgaacg	tggaatttta	ctttttgaag	1740
gagaatccaa	aggcaaacaa	cctagtaata	ataatgggtca	caatttttatg	aagataccaa	1800

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acttacaaag agttatcttt gatggtaaaa acaaaggcca ttacacgat atttggtatc 1860
agataggaga accagaagca gagacagatc ctaacctcgc attaccactt aacgacttta 1920
atgcctatctt ggagcaggtc aaaacgcaag aatcgatatt ttcacatata ggtaagggtgt 1980
caagcaatgt aaaagtgatt gacaataaaa tcgacgccac ttcacatctta gacagcaatg 2040
ccgctaaaga tgaggaaatt acagaactta agaccaacat agaagcatta actcatgcct 2100
acaaggagtt acgtgacatg cacgaaaagc tgtacgagga acaccaacag atgcttgaca 2160
agcaataa                                     2168

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<210> 240

<211> 555

<212> PRT

<213> Candida albicans

<400> 240

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Met Asp Glu Gln Val Ile Phe Thr Thr Asn Thr Ser Gly Thr Ile Ala
  1              5              10              15

Ser Val His Ser Phe Glu Gln Ile Asn Leu Arg Gln Cys Ser Thr Gln
      20              25              30

Ser Arg Asn Ser Cys Val Gln Val Gly Asn Lys Tyr Leu Phe Ile Ala
      35              40              45

Gln Ala Gln Lys Ala Leu Ile Asn Val Tyr Asn Leu Ser Gly Ser Phe
      50              55              60

Lys Arg Glu Ser Val Glu Gln Arg Leu Pro Leu Pro Glu Ile Leu Lys
      65              70              75              80

Cys Leu Glu Val Val Glu Asn Asp Gly Val Gln Tyr Asp Arg Ile Gln
      85              90              95

Gly Val Asn His Asn Leu Pro Asp Phe Asn Leu Pro Tyr Leu Leu Leu
      100             105             110

Gly Ser Thr Glu Ser Gly Lys Leu Tyr Ile Trp Glu Leu Asn Ser Gly
      115             120             125

Ile Leu Leu Asn Val Lys Pro Met Ala His Tyr Gln Ser Ile Thr Lys
      130             135             140

Ile Lys Ser Ile Leu Asn Gly Lys Tyr Ile Ile Thr Ser Gly Asn Asp
      145             150             155             160

Ser Arg Val Ile Ile Trp Gln Thr Val Asp Leu Val Ser Ala Ser Asn
      165             170             175

Asp Asp Pro Lys Pro Leu Cys Ile Leu His Asp His Thr Leu Pro Val
      180             185             190

Thr Asp Phe Gln Val Ser Ser Ser Gln Gly Lys Phe Leu Ser Cys Thr
      195             200             205

Asp Thr Lys Leu Phe Thr Val Ser Gln Asp Ala Thr Ile Arg Cys Tyr
      210             215             220

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245

Asp Leu Ser Leu Ile Gly Ser Lys Lys Lys Gln Lys Ala Asn Glu Asn
 225 230 235 240
 Asp Val Ser Ile Gly Lys Thr Pro Val Leu Leu Ala Thr Phe Thr Thr
 245 250 255
 Pro Tyr Ser Ile Lys Ser Ile Val Leu Asp Pro Ala Asp Arg Ala Cys
 260 265 270
 Tyr Ile Gly Thr Ala Glu Gly Cys Phe Ser Leu Asn Leu Phe Tyr Lys
 275 280 285
 Leu Lys Gly Asn Ala Ile Val Asn Leu Leu Gln Ser Ala Gly Val Asn
 290 295 300
 Thr Val Gln Lys Gly Arg Val Phe Ser Leu Val Gln Arg Asn Ser Leu
 305 310 315 320
 Thr Gly Gly Glu Asn Glu Asp Leu Asp Ala Leu Tyr Ala Met Gly Gln
 325 330 335
 Leu Val Cys Glu Asn Val Leu Asn Ser Asn Val Ser Cys Leu Glu Ile
 340 345 350
 Ser Met Asp Gly Thr Leu Leu Leu Ile Gly Asp Thr Glu Gly Lys Val
 355 360 365
 Ser Ile Ala Glu Ile Tyr Ser Lys Gln Ile Ile Arg Thr Ile Gln Thr
 370 375 380
 Leu Thr Thr Ser Gln Asp Ser Val Gly Glu Val Thr Asn Leu Leu Thr
 385 390 395 400
 Asn Pro Tyr Arg Leu Glu Arg Gly Asn Leu Leu Phe Glu Gly Glu Ser
 405 410 415
 Lys Gly Lys Gln Pro Ser Asn Asn Asn Gly His Asn Phe Met Lys Ile
 420 425 430
 Pro Asn Leu Gln Arg Val Ile Phe Asp Gly Lys Asn Lys Gly His Leu
 435 440 445
 His Asp Ile Trp Tyr Gln Ile Gly Glu Pro Glu Ala Glu Thr Asp Pro
 450 455 460
 Asn Leu Ala Leu Pro Leu Asn Asp Phe Asn Ala Tyr Leu Glu Gln Val
 465 470 475 480
 Lys Thr Gln Glu Ser Ile Phe Ser His Ile Gly Lys Val Ser Ser Asn
 485 490 495
 Val Lys Val Ile Asp Asn Lys Ile Asp Ala Thr Ser Ser Leu Asp Ser
 500 505 510
 Asn Ala Ala Lys Asp Glu Glu Ile Thr Glu Leu Lys Thr Asn Ile Glu
 515 520 525

246

Ala Leu Thr His Ala Tyr Lys Glu Leu Arg Asp Met His Glu Lys Leu
 530 535 540

Tyr Glu Glu His Gln Gln Met Leu Asp Lys Gln
 545 550 555

<210> 241
 <211> 1115
 <212> DNA
 <213> Candida albicans

<400> 241
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 gtgctcactt ctctcgtctt ttattaggtg tgtgtgttgt gcgtaatttt cgtttcgctg 180
 attactttat atagtgtagt ttgttcttga atgtaataaa gacttctgtt ttattttgtt 240
 ttgttattta gaaacagtct atctgggtta acttaaacga gtgagcttaa gataatctga 300
 ctacaagaaa accaagcttc tattactttg ttcttttctc ttttttcttt tttgaataaa 360
 gaatttttctt ttaaggagta acttaagcat ttagctgcac attaaacact ttttttttta 420
 cttctaactc acacactttt ggaagaacat ttattttttc gaccttcttt cccaaataacc 480
 cagcgcttta taattgaaat atgaagttct cttctgttac tgctattact ctagccaccg 540
 ttgccaccgt tgccactgct aagaagggtg aacatgattt cactaccact ttaactttgt 600
 catcggacgg tagtttaact actaccacct ctactcatac cactcacaag tatggtaagt 660
 tcaacaagac ttccaagtcc aagaccccaa accacactgg tactcacaag tacggttaagt 720
 tcaacaagac ctccaagtcc aagactccaa accataccgg tactcacaag tatggtaagt 780
 tcaacaagac ttccaagtcc aagactccaa accacactgg tactcacaag tacggttaagt 840
 tcaacaagac ctccaagtcc aagactccaa accacactgg tactcacaag tatggtaagt 900
 tcaacaagac ctccaagtcc aagaccccaa accataccgg tactcacaag tatggtaagt 960
 tcaacaaaac caaacatgac actaccactt atggtcctgg tgaaaaggcc cgtaagaaca 1020
 atgccgcccc tgggtccatct aatttcaact ccataaaatt gtttggtgtt accgctggtg 1080
 gtgctgcccgt agccggtgcc ttattactat tataa 1115

<210> 242
 <211> 204
 <212> PRT
 <213> Candida albicans

<400> 242
 Met Lys Phe Ser Ser Val Thr Ala Ile Thr Leu Ala Thr Val Ala Thr
 1 5 10 15
 Val Ala Thr Ala Lys Lys Gly Glu His Asp Phe Thr Thr Thr Leu Thr
 20 25 30
 Leu Ser Ser Asp Gly Ser Leu Thr Thr Thr Thr Ser Thr His Thr Thr
 35 40 45
 His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn
 50 55 60
 His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser
 65 70 75 80
 Lys Thr Pro Asn His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys

247

85	90	95
Thr Ser Lys Ser Lys Thr Pro Asn His Thr Gly Thr His Lys Tyr Gly		
100	105	110
Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn His Thr Gly Thr		
115	120	125
His Lys Tyr Gly Lys Phe Asn Lys Thr Ser Lys Ser Lys Thr Pro Asn		
130	135	140
His Thr Gly Thr His Lys Tyr Gly Lys Phe Asn Lys Thr Lys His Asp		
145	150	155
Thr Thr Thr Tyr Gly Pro Gly Glu Lys Ala Arg Lys Asn Asn Ala Ala		
165	170	175
Pro Gly Pro Ser Asn Phe Asn Ser Ile Lys Leu Phe Gly Val Thr Ala		
180	185	190
Gly Ser Ala Ala Val Ala Gly Ala Leu Leu Leu Leu		
195	200	

<210> 243
 <211> 1115
 <212> DNA
 <213> Candida albicans

<400> 243

ggttatacac	atatatatat	ttttcatttt	taatgtctta	gcttttgtat	cttagatgaa	60
gtttttagttc	tgtatatcac	gatcaagata	tcataacaatc	ataaattcaa	ttattcttct	120
gtttcccctc	ttgaggcatc	aaacgagtg	ttgactgata	cacaccaaca	tactaaggca	180
acttttctgg	ctgcccacaa	ctgtggcacg	tatgaaactg	cttttcggct	gcataaaaca	240
accatgtgga	gtttttactg	tattcgcatt	tcgccccgct	agcattcttc	gttcattgta	300
aaaatgaggc	gtgggcta	attcagttat	aataattccg	gcaccgcac	agcccatacc	360
ggaaaagggg	ctggctgttg	ggcttgga	aaaactcaat	ctgagcagtc	atttataaag	420
aaagacttta	atttgtcttg	ctaaacactt	gtaagccttc	caaatataga	tcacttaaga	480
caatctaaca	agtgtccaaa	atgtctgcaa	acgaattcta	ctcaagtggc	caacaaggtc	540
aatataacca	gcaaaacaac	caagaaagaa	ctggtgctcc	aaacaacggt	caatatggtg	600
ccgacaatgg	taaccccaac	ggtgaacgtg	gtttattttc	cactattgta	ggtggcagtg	660
ccggtgcgta	cgctggatct	aaggtgtcga	acaaccattc	taagttgagt	ggtgtgctgg	720
gcgccatagg	tggtgcattc	cttgccaaca	agatatctga	tgagcgtaaa	gagcataagc	780
aacaagagca	atacggcaac	tcaaacttcg	gaggtgctcc	tcaaggtgga	cacaacaacc	840
atcacctgca	gacaataaca	acaataacgg	tggatttggc	ggtccaggcg	gccctggcgg	900
tcaagggttc	ggaagacaag	gccacaagg	atttggaggt	cctggtccac	aagagtttgg	960
tggtccaggt	ggccaaggat	tcggtggtcc	aaatcctcaa	gaattcggcg	gccaggtggc	1020
caaggattcg	gtggtccaaa	ccctcaggaa	ttcggggggc	aaggtcgtca	aggattcaat	1080
ggcggttcac	gttgggtgaat	ggctcaacag	agtga			1115

<210> 244
 <211> 204
 <212> PRT
 <213> Candida albicans

248

<400> 244

Met Ser Ala Asn Glu Phe Tyr Ser Ser Gly Gln Gln Gly Gln Tyr Asn
 1 5 10 15

Gln Gln Asn Asn Gln Glu Arg Thr Gly Ala Pro Asn Asn Gly Gln Tyr
 20 25 30

Gly Ala Asp Asn Gly Asn Pro Asn Gly Glu Arg Gly Leu Phe Ser Thr
 35 40 45

Ile Val Gly Gly Ser Ala Gly Ala Tyr Ala Gly Ser Lys Val Ser Asn
 50 55 60

Asn His Ser Lys Leu Ser Gly Val Leu Gly Ala Ile Gly Gly Ala Phe
 65 70 75 80

Leu Ala Asn Lys Ile Ser Asp Glu Arg Lys Glu His Lys Gln Gln Glu
 85 90 95

Gln Tyr Gly Asn Ser Asn Phe Gly Gly Ala Pro Gln Gly Gly His Asn
 100 105 110

Asn His His Arg Gln Thr Ile Thr Thr Ile Thr Val Asp Leu Ala Val
 115 120 125

Gln Ala Ala Leu Ala Val Lys Val Ser Glu Asp Lys Ala His Lys Asp
 130 135 140

Leu Glu Val Leu Val His Lys Ser Leu Val Val Gln Val Ala Lys Asp
 145 150 155 160

Ser Val Val Gln Ile Leu Lys Asn Ser Ala Ala Arg Trp Pro Arg Ile
 165 170 175

Arg Trp Ser Lys Pro Ser Gly Ile Arg Gly Pro Arg Ser Ser Arg Ile
 180 185 190

Gln Trp Arg Phe Thr Leu Val Asn Gly Ser Thr Glu
 195 200

<210> 245

<211> 1313

<212> DNA

<213> Candida albicans

<400> 245

tcataacggg ttcttttcaa aaaaccgtaa aaatttgagg tcacaccaac taaatacaaa 60
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 tagtaaagtt tcatcagcaa tcttatctga gtaatattat ctacgatcta aatataggat 180
 gatctgccga ttttaggaatc gtactgtaga ttgctcttgg cgacagatat agtgaaatac 240
 cttttacaaa gtggatacag gttgcctatc actaccgcca tttcactagc aagtagagta 300
 ttgagaaaaac ggtaaaacttt gaaagttgca gatgcagaat atatatctgg ttttgtagtt 360
 ctatccgcta aacgggacga tcgcatttta gccgccgaca gtgttaatat aagtaatgaa 420
 cttgggttaa tttgattacg cgtcacagct actaataaaa taagaccgag agttttaatc 480
 agctagtgca taccaaaaca atgagtaacc aacacagccc tcagccattt tgtttggaca 540

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ccaaattggt gaaactatta gaagagctcc aggagggaaa gcaattcaac aataaaaaaca 600
tattcccggg aaaaagcatta tatttgaagc tcgctcttga ttattctttc ttcagaaaga 660
atttactaga gttttgcgtc caccttgaca agataaaaagg agtcattaga ccaaactatg 720
acactatata tattttgtgc ctgttgaggg tggatctcct caatctggta tttaccgaca 780
atatattgga aatatgtttg cccaggtttg tttcaaggga ggacttgagg gtttttaata 840
atacttttta cacatatcac gataaccgcc tacgtattct ccaagaagac ttttctcaat 900
tgttcaaaaa aatcaaaaact aaggcttctg tactatgttt tacagttgag gaaatttttc 960
tgacaaacca agaaatttta cctcaaaaact caacagtggc agaactgcaa aagagcacta 1020
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<210> 246

<211> 270

<212> PRT

<213> Candida albicans

<400> 246

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Met Ser Asn Gln His Ser Pro Gln Pro Phe Cys Leu Asp Thr Lys Leu
  1                      5                      10                      15

Val Lys Leu Leu Glu Glu Leu Gln Glu Gly Lys Gln Phe Asn Asn Lys
                20                      25                      30

Asn Ile Phe Pro Glu Lys Ala Leu Tyr Leu Lys Leu Ala Leu Asp Tyr
    35                      40                      45

Ser Phe Phe Arg Lys Asn Leu Leu Glu Phe Cys Val His Leu Asp Lys
    50                      55                      60

Ile Lys Gly Val Ile Arg Pro Asn Tyr Asp Thr Ile Tyr Ile Leu Cys
    65                      70                      75                      80

Leu Leu Glu Val Asp Leu Leu Asn Leu Val Phe Thr Asp Asn Ile Leu
                85                      90                      95

Glu Ile Cys Leu Pro Arg Phe Val Ser Arg Glu Asp Leu Arg Val Phe
    100                      105                      110

Asn Asn Thr Phe Tyr Thr Tyr His Asp Asn Arg Leu Arg Ile Leu Gln
    115                      120                      125

Glu Asp Phe Ser Gln Leu Phe Lys Lys Ile Lys Thr Lys Ala Ser Val
    130                      135                      140

Leu Cys Phe Thr Val Glu Glu Ile Phe Leu Thr Asn Gln Glu Ile Leu
    145                      150                      155                      160

Pro Gln Asn Ser Thr Val Ala Glu Leu Gln Lys Ser Thr Asn Lys Val
                165                      170                      175

Gln Thr Asn Gly Pro Gln Arg His Asp Phe Ile Val Thr Leu Glu Ile
    180                      185                      190

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250

Lys Leu Asn Lys Thr Gln Ile Thr Phe Leu Ile Gly Ala Lys Gly Thr
 195 200 205
 Arg Ile Glu Ser Leu Arg Glu Lys Ser Gly Ala Ser Ile Lys Ile Ile
 210 215 220
 Pro Ile Ser Asp Lys Met Thr Ala His Glu Arg Asn His Pro Glu Ser
 225 230 235 240
 Val Gln Gln Thr Ile Leu Ile Ser Gly Asp Leu Tyr Ser Ile Ala Leu
 245 250 255
 Ala Val Thr Ser Ile Glu Ser Ala Leu Ile Thr Leu Asp Leu
 260 265 270

<210> 247
 <211> 1766
 <212> DNA
 <213> Candida albicans

<400> 247
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 agagaaacaa cgaagaaaga acaacaatgt tgggggttcac ccgagagata ttgacatact 120
 gaccttagaa aaggcattac tgaggctact gactaaagcg cgttacataa atgcatagta 180
 tatttcttgt tgtatacgca gcggccaact agtggcagca agaattgtaat gaacgattca 240
 tctgcagggt tggaggccgc aactagatca aaacgtaaat agcgggtgaa gtgttctgga 300
 cgtagaagt aacgtccgca gatcgaagct aaacacgaga ttagatttcg ggtaacggaa 360
 ttgtgataat taagaaagac cagactatgt gaaaaggcca cgtaaattgat agagcacaca 420
 ttagcaacta taatagacta gttttcgcac cgctggaagt tctcgatatt gaatatcact 480
 tccaagaacg caaacttaga atgggtccgga ttcttcccat aattttgagc gccctatctt 540
 cgaaattagt ggcgagtaca atattgcatt catccataca ctcaagtcca tctggaggcg 600
 aaatcatatc tgcagaagat cttaaagaac ttgaaatttc aggggaattcg atctgcgttg 660
 ataatcgttg ctatcctaag atatttgaac caagacacga ttggcagccc atactgccag 720
 gtcaagaact ccccggtggt ttggacatta gaataaacat ggacacaggt ttaaaagagg 780
 caaaactaaa tgatgagaag aatgtcgggtg ataattggtag ccatgagtta attgtatctt 840
 cagaagacat gaaagcatcg cctggtgact atgaattttc cagtgatttc aaagaaatga 900
 gaaacatcat agattctaac ccgactttat cttcacagga cattgccaga ttggaggata 960
 gttttgatag aataatggaa tttgcgcacg attacaagca cggctacaaa attattacc 1020
 atgaattcgc cctcttggcc aaccttagtc tcaatgaaaa tttgccgtta acattgagag 1080
 agctcagtag tagagtcatt accagctgct tgagaaacaa tcctcctgta gtcgagttca 1140
 ttaatgaaag ttttccaaat tttaaaagca aaatcatggc cgctctgtca aatttgaatg 1200
 attctaacca cagatcctct aatatcctaa taaaaagata cttgtccatt ttaaacgaat 1260
 tacctgtcac atccgaagat cttcctatat actctacggg tgttttacia aatgtatatg 1320
 aaagaaacaa caaggacaaa cagttacaaa taaaagtcct ggagttgatc agcaaaat 1380
 tgaaggccga catgtacgaa aatgacgata caaatctaatt tttgttcaaa agaaatgctg 1440
 agaattggtc gtcaaatctg caagagtggg caaacgagtt ccaagagatg gtccagaaca 1500
 aaagtataga tgaactacat acaagaacgt tttttgacac cttttacaac ttgaagaaaa 1560
 ttttcaaaaag tgacatcacg atcaacaaag ggtttttgaa ttggttagcg caacaatgta 1620
 aagccaggga atctaacttg gacaatgggc tccaagagag agatactgaa caagactcat 1680
 ttgataagaa acttatcgac agcagacact tgatctttgg caaccccatg gctcatagaa 1740
 taaaaaat 1766

<210> 248
 <211> 421

251

<212> PRT

<213> *Candida albicans*

<400> 248

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Met Val Arg Ile Leu Pro Ile Ile Leu Ser Ala Leu Ser Ser Lys Leu
  1             5             10             15

Val Ala Ser Thr Ile Leu His Ser Ser Ile His Ser Val Pro Ser Gly
          20             25             30

Gly Glu Ile Ile Ser Ala Glu Asp Leu Lys Glu Leu Glu Ile Ser Gly
    35             40             45

Asn Ser Ile Cys Val Asp Asn Arg Cys Tyr Pro Lys Ile Phe Glu Pro
    50             55             60

Arg His Asp Trp Gln Pro Ile Leu Pro Gly Gln Glu Leu Pro Gly Gly
    65             70             75             80

Leu Asp Ile Arg Ile Asn Met Asp Thr Gly Leu Lys Glu Ala Lys Leu
          85             90             95

Asn Asp Glu Lys Asn Val Gly Asp Asn Gly Ser His Glu Leu Ile Val
    100             105             110

Ser Ser Glu Asp Met Lys Ala Ser Pro Gly Asp Tyr Glu Phe Ser Ser
    115             120             125

Asp Phe Lys Glu Met Arg Asn Ile Ile Asp Ser Asn Pro Thr Leu Ser
    130             135             140

Ser Gln Asp Ile Ala Arg Leu Glu Asp Ser Phe Asp Arg Ile Met Glu
    145             150             155             160

Phe Ala His Asp Tyr Lys His Gly Tyr Lys Ile Ile Thr His Glu Phe
    165             170             175

Ala Leu Leu Ala Asn Leu Ser Leu Asn Glu Asn Leu Pro Leu Thr Leu
    180             185             190

Arg Glu Leu Ser Thr Arg Val Ile Thr Ser Cys Leu Arg Asn Asn Pro
    195             200             205

Pro Val Val Glu Phe Ile Asn Glu Ser Phe Pro Asn Phe Lys Ser Lys
    210             215             220

Ile Met Ala Ala Leu Ser Asn Leu Asn Asp Ser Asn His Arg Ser Ser
    225             230             235             240

Asn Ile Leu Ile Lys Arg Tyr Leu Ser Ile Leu Asn Glu Leu Pro Val
    245             250             255

Thr Ser Glu Asp Leu Pro Ile Tyr Ser Thr Val Val Leu Gln Asn Val
    260             265             270

Tyr Glu Arg Asn Asn Lys Asp Lys Gln Leu Gln Ile Lys Val Leu Glu
    275             280             285

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252

Leu Ile Ser Lys Ile Leu Lys Ala Asp Met Tyr Glu Asn Asp Asp Thr
 290 295 300
 Asn Leu Ile Leu Phe Lys Arg Asn Ala Glu Asn Trp Ser Ser Asn Leu
 305 310 315 320
 Gln Glu Trp Ala Asn Glu Phe Gln Glu Met Val Gln Asn Lys Ser Ile
 325 330 335
 Asp Glu Leu His Thr Arg Thr Phe Phe Asp Thr Leu Tyr Asn Leu Lys
 340 345 350
 Lys Ile Phe Lys Ser Asp Ile Thr Ile Asn Lys Gly Phe Leu Asn Trp
 355 360 365
 Leu Ala Gln Gln Cys Lys Ala Arg Gln Ser Asn Leu Asp Asn Gly Leu
 370 375 380
 Gln Glu Arg Asp Thr Glu Gln Asp Ser Phe Asp Lys Lys Leu Ile Asp
 385 390 395 400
 Ser Arg His Leu Ile Phe Gly Asn Pro Met Ala His Arg Ile Lys Asn
 405 410 415
 Phe Arg Asp Glu Leu
 420

<210> 249

<211> 821

<212> DNA

<213> Candida albicans

<400> 249

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ttttactggt tgcggtttgc tatgccctga tttttgtcac tattgctggt ctcttttatg 180
tcacacttgt accgctttta gtgacatggg ccatactggt attagggcct cttggtgtga 240
tactggttca tattcaatgg attttacaaa cgaatgtctt gactgccttt gtttgtagaa 300
cactggtcct gacccatatt acgaatcaga tatttgatat atcttttggtg ttgcaagacc 360
aagatgaatt tctaaacgag gtgaaggtat tgcctaaacc acaaaagcca catagaaaaa 420
tcgatgaacc tgatgcgggtg agaaatttca acacaataaa gggaagtcgg atttttaaga 480
ttcccagatt actattcaga atgttttttta aagtctccaa ttttacttca ctaacattac 540
tgctgctaatt tcctattgta ggaccaatct tggcaaatac actaatggcc ccaaaaagaa 600
cctttaccta tttgcagagg tactttttac taaagggatt cagtaagaaa caggccaaag 660
attttcagta cgagcattac gcaagtttca tatgtttcgg tatgtctgcc ggtctactag 720
agttaatacc cttcttcaca atagtcacca tatctagcaa cactgttggt gcagctaaat 780
ggtgtacttc gctactaaag ggtgaaagaa agaaggaatg a 821

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<210> 250

<211> 106

<212> PRT

<213> Candida albicans

253

<400> 250

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Met Phe Phe Lys Val Ser Asn Phe Thr Ser Leu Thr Leu Leu Ser Leu
 1           5           10           15

Ile Pro Ile Val Gly Pro Ile Leu Ala Asn Gln Leu Met Ala Pro Lys
      20           25           30

Arg Thr Phe Thr Tyr Leu Gln Arg Tyr Phe Leu Leu Lys Gly Phe Ser
      35           40           45

Lys Lys Gln Ala Lys Asp Phe Gln Tyr Glu His Tyr Ala Ser Phe Ile
      50           55           60

Cys Phe Gly Met Ser Ala Gly Leu Leu Glu Leu Ile Pro Phe Phe Thr
      65           70           75           80

Ile Val Thr Ile Ser Ser Asn Thr Val Gly Ala Ala Lys Trp Cys Thr
      85           90           95

Ser Leu Leu Lys Gly Glu Arg Lys Lys Glu
      100           105

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<210> 251

<211> 1256

<212> DNA

<213> Candida albicans

<400> 251

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gttcctcgta aaggacacac gaaaaaaata aacagtacct tgcagaagga gtgcagagtt 180
aggtcgcagg gaatccttga aagccaagag ttttttttcc gtaatgatct cccaaagcaa 240
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gagcatcatg tgagtaaacg agtaagcaag aaaacaacaa agtaatgttc aactttcgta 360
actacggaat ataatatata agtagttaac gaaattcgaa caatgagagc tctcacatat 420
catcttcttt tccagtttag ccattatcag cacaataata caaaacacac tcgtacactc 480
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ttaagtccaa cttgcaagaa tatattagtt tggctgaaga ttcttcatct ggattttcct 660
taagcagtct gccatctggt gttttagaca tcggttttagc tttggcttcc gccactgatg 720
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<210> 252

<211> 251

<212> PRT

<213> Candida albicans

254

<400> 252

Met Ala Tyr Ile Lys Ile Ala Leu Leu Ala Ala Ile Ala Ala Leu Ala
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 Ser Ala Gln Thr Gln Glu Glu Ile Asp Glu Leu Asn Val Ile Leu Asn
 20 25 30
 Asp Val Lys Ser Asn Leu Gln Glu Tyr Ile Ser Leu Ala Glu Asp Ser
 35 40 45
 Ser Ser Gly Phe Ser Leu Ser Ser Leu Pro Ser Gly Val Leu Asp Ile
 50 55 60
 Gly Leu Ala Leu Ala Ser Ala Thr Asp Asp Ser Tyr Thr Thr Leu Tyr
 65 70 75 80
 Ser Glu Val Asp Phe Ala Ala Val Ser Lys Met Leu Thr Met Val Pro
 85 90 95
 Trp Tyr Ser Ser Arg Leu Leu Pro Glu Leu Glu Ser Leu Leu Gly Thr
 100 105 110
 Ser Thr Thr Ala Ala Ser Ser Thr Glu Ala Ser Ser Ala Ala Thr Ser
 115 120 125
 Ser Ala Val Ala Ser Ser Ser Glu Thr Thr Ser Ser Ala Val Ala Ser
 130 135 140
 Ser Ser Glu Ala Thr Ser Ser Ala Val Ala Ser Ser Ser Glu Ala Ser
 145 150 155 160
 Ser Ser Ala Ala Thr Ser Ser Ala Val Ala Ser Ser Ser Glu Ala Thr
 165 170 175
 Ser Ser Thr Val Ala Ser Ser Thr Lys Ala Ala Ser Ser Thr Lys Ala
 180 185 190
 Ser Ser Ser Ala Val Ser Ser Ala Val Ala Ser Ser Thr Lys Ala Ser
 195 200 205
 Ala Ile Ser Gln Ile Ser Asp Gly Gln Val Gln Ala Thr Ser Thr Val
 210 215 220
 Ser Glu Gln Thr Glu Asn Gly Ala Ala Lys Ala Val Ile Gly Met Gly
 225 230 235 240
 Ala Gly Val Met Ala Ala Ala Ala Met Leu Leu
 245 250

<210> 253

<211> 2693

<212> DNA

<213> Candida albicans

Met Ile Ser Val Cys Pro Gln Asn Asp Leu Gln Lys Cys Tyr Arg Ser

Leu Thr Phe Asp Val Pro Gly Gln Gln Phe Glu Glu Arg Asn Glu Gln
 20 25 30
 Asn Leu Lys Lys Arg Ala Lys Lys Lys Gly Ser Phe Gln Pro Ser Val
 35 40 45
 Ala Phe Asp Thr Val Pro Ser Thr Ala Gly Tyr Ser Ser Ile Asp Asp
 50 55 60
 Ser Arg Glu Gly Phe Lys Gly Val Pro Val Pro Asn Tyr Tyr Thr Met
 65 70 75 80
 Glu Glu Cys Tyr Asp Asp Glu Thr Asp Ser Phe Ser Pro Asn Leu Gln
 85 90 95
 Tyr Tyr Leu Arg Asp Thr Phe Gln Ser Ser Pro Phe Leu Asn Thr Arg
 100 105 110
 Lys Glu Asn Lys Ser Glu Ser Ser Ser Phe Pro Met Arg Ser Ser Lys
 115 120 125
 Leu Leu Glu Lys Asn Ser Asp Ile Lys Lys Tyr Phe Leu Val Ser Lys
 130 135 140
 Asn Gly Lys Ile Val Arg Arg Asp Tyr Pro Ser Thr Pro Val Ile Val
 145 150 155 160
 Asn Glu Thr Leu Met Ile Asn Arg Phe Glu Lys Asn Trp Ile Lys Leu
 165 170 175
 Trp Arg Gln Arg Lys Leu Gln Ile Asn Glu Arg Leu Asn Asp Lys Lys
 180 185 190
 Lys Trp Phe Thr Tyr Pro Glu Leu Ile Phe Ser Glu Glu Arg Ile Lys
 195 200 205
 Pro Leu Tyr Arg Gly Asp Asp Ser Ala Pro Cys Thr Lys Glu Gln Lys
 210 215 220
 Arg Lys His Lys Ile Leu Gln Gln Lys Val Gly Tyr Pro Asn Asn Pro
 225 230 235 240
 Lys Thr Ile Val Cys His Ile Asn Gly Lys Lys His Thr Trp Val Ala
 245 250 255
 Leu Asp Trp Thr Val Tyr Lys Phe Ala Arg Asn Leu Asp His Ile Val
 260 265 270
 Val Ile Thr Thr Leu Pro Lys Met Ile Ser Asn Arg Lys Lys Thr Ala
 275 280 285
 Lys Asp Asp Thr Glu Trp Ala Pro Gly Tyr Gln Lys Glu Val Ile Asp
 290 295 300
 Gln Lys Leu Asn Asp Ile Phe Asp Tyr Ile Leu Gln Leu Val Lys Val
 305 310 315 320

Val Lys Ile Ser Val Lys Ile Thr Leu Glu Ile Ile Val Gly Lys Ile
 325 330 335
 Lys Lys Ser Leu Val Asp Val Ile Asn Val His Thr Pro Asp Phe Leu
 340 345 350
 Val Leu Ala Thr Leu Lys His Glu Arg Asn Glu Asn Leu Ile Thr Tyr
 355 360 365
 Lys Ser Lys Lys Leu Thr Asp Val Phe Pro Val Ser Tyr Pro Ile Pro
 370 375 380
 Thr Phe Val Val Pro Ser Lys Arg Met Tyr Ser Phe Glu Leu Asn Leu
 385 390 395 400
 Gln Arg Glu Val Asn Glu His Tyr Val Ser Lys Asn His Met Lys His
 405 410 415
 Glu His Thr Asp Val Glu Ser Met Ser Ser Ser Met Phe Lys Lys Asn
 420 425 430
 Thr Ile Ser Asp Ile Ser Ser His Ile Ser Val Asp Ser Tyr Ala Glu
 435 440 445
 Asp Phe Lys Arg Gln Gly Tyr Ile Lys Lys Gln Phe Asn Thr Ser Asn
 450 455 460
 Asp Ser Ile Pro Arg Lys Leu Thr Gly Leu Ala Gln His Ser Arg Arg
 465 470 475 480
 Lys Ile Thr Gly Asp Ile Glu Lys Leu Gln Asp Asp Glu Lys Asp Arg
 485 490 495
 Glu Cys Thr Lys Glu Lys Leu Leu Leu Lys Lys Ile Asp Ile Ile Ile
 500 505 510
 Arg Glu Ser Leu Lys Ser Ser Leu Ala Ile Glu Thr Leu Pro Gly Lys
 515 520 525
 Asn Val Ser Gln Ser Ser His Gly Asp Gln Ile Ser Ser Phe Lys Asn
 530 535 540
 Ala Leu Ile Gly Asn Gly Ser Lys Asn Thr Lys Phe Arg Lys Ser Leu
 545 550 555 560
 Ile Pro Tyr Ser Ser Ser Glu Glu Gln Asn Thr Thr Thr Thr Ile Lys
 565 570 575
 Leu Ser Ser Ser Pro Thr Ser Gln Ile Lys Phe Ala Thr Ser Val Lys
 580 585 590
 His Lys Asp Gly Arg Ala Ala Leu Gly Lys Ala Arg Asn Leu Pro Asp
 595 600 605
 Ile Arg His Ser Ile Ser Phe Asp Lys Glu Asn Ser Phe Asp Pro Ser
 610 615 620

Asp Lys Ser Ser Ser Val Asp Asn Ser Ile Pro Leu Arg Lys Val Lys
625 630 635 640

Ser Ala Gly Ala Leu Arg Lys Val Lys Thr Asn Asp Ser Ser Ser Ser
645 650 655

Ala Gly Ser Lys Lys Ser Ser Ser Ser Phe Ser Thr Val Asn Thr Phe
660 665 670

Thr Gly Gly Gly Val Gly Ile Phe Lys Val Phe Lys Ser Gly Ser Ser
675 680 685

Ser Gly Asn Lys Ser Ser Ser Arg Arg Asn Ser Ser Ser Gly Asp Val
690 695 700

Phe Glu Ser Asp Asp Arg Asn Asp Lys Lys Lys Lys Lys Lys Lys Lys
705 710 715 720

Lys Lys Ser Leu Phe Leu Phe Gly Lys Ile
725 730

<210> 255

<211> 2270

<212> DNA

<213> *Candida albicans*

<400> 255

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caaacgccgc aattgaccaa actattgaac taaacgcaag ttcaatatac ataattttg 240
actatgagaa ctgatattct cgtgaagatt cgtgtagat gatagaacat tccagaaaaa 300
aaattcagat tcatcgctct ctcttcgctt ctctctcttt aaggaataaa gaaaaaatca 360
catacataga ttaagttaat aggatctgct agaaaaatta tatatagatc aatcatctta 420
ttaaggatc ttgtttaagc ccaaaagtct gctcccaaat tcctcactgt agctactaaa 480
acaacctata cgcaagaaag atgtcattga cagccgatga atacaaacaa caaggtaacg 540
ctgcatttac cgctaaggat tacgataaag cgatagagct cttcactaaa gctattgaag 600
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tcatttccaa atcatttgcg cgtattggta atgcctatca caaattgggt gacttgaaga 1560
aaactataga atactaccaa aaatcattga ccgaacatcg tactgctgac attttgacca 1620
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ctaatagagc tgctgcacta gcgaagttaa tgtctttccc tgaagctatc gcagattgta 1860
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aaaagattca gacgttgatc gctgctggta tcatccggac tggccgctaa 2270

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<210> 256

<211> 589

<212> PRT

<213> Candida albicans

<400> 256

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Met Ser Leu Thr Ala Asp Glu Tyr Lys Gln Gln Gly Asn Ala Ala Phe
  1             5             10             15

Thr Ala Lys Asp Tyr Asp Lys Ala Ile Glu Leu Phe Thr Lys Ala Ile
      20             25             30

Glu Val Ser Glu Thr Pro Asn His Val Leu Tyr Ser Asn Arg Ser Ala
      35             40             45

Cys Tyr Thr Ser Leu Lys Lys Phe Ser Asp Ala Leu Asn Asp Ala Asn
      50             55             60

Glu Cys Val Lys Ile Asn Pro Ser Trp Ser Lys Gly Tyr Asn Arg Leu
      65             70             75             80

Gly Ala Ala His Leu Gly Leu Gly Asp Leu Asp Glu Ala Glu Ser Asn
      85             90             95

Tyr Lys Lys Ala Leu Glu Leu Asp Ala Ser Asn Lys Ala Ala Lys Glu
      100            105            110

Gly Leu Asp Gln Val His Arg Thr Gln Gln Ala Arg Gln Ala Gln Pro
      115            120            125

Asp Leu Gly Leu Thr Gln Leu Phe Ala Asp Pro Asn Leu Ile Glu Asn
      130            135            140

Leu Lys Lys Asn Pro Lys Thr Ser Glu Met Met Lys Asp Pro Gln Leu
      145            150            155            160

Val Ala Lys Leu Ile Gly Tyr Lys Gln Asn Pro Gln Ala Ile Gly Gln
      165            170            175

Asp Leu Phe Thr Asp Pro Arg Leu Met Thr Ile Met Ala Thr Leu Met
      180            185            190

Gly Val Asp Leu Asn Met Asp Asp Ile Asn Gln Ser Asn Ser Met Pro
      195            200            205

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Lys Glu Pro Glu Thr Ser Lys Ser Thr Glu Gln Lys Lys Asp Ala Glu
 210 215 220
 Pro Gln Ser Asp Ser Thr Thr Ser Lys Glu Asn Ser Ser Lys Ala Pro
 225 230 235 240
 Gln Lys Glu Glu Ser Lys Glu Ser Glu Pro Met Glu Val Asp Glu Asp
 245 250 255
 Asp Ser Lys Ile Glu Ala Asp Lys Glu Lys Ala Glu Gly Asn Lys Phe
 260 265 270
 Tyr Lys Ala Arg Gln Phe Asp Glu Ala Ile Glu His Tyr Asn Lys Ala
 275 280 285
 Trp Glu Leu His Lys Asp Ile Thr Tyr Leu Asn Asn Arg Ala Ala Ala
 290 295 300
 Glu Tyr Glu Lys Gly Glu Tyr Glu Thr Ala Ile Ser Thr Leu Asn Asp
 305 310 315 320
 Ala Val Glu Gln Gly Arg Glu Met Arg Ala Asp Tyr Lys Val Ile Ser
 325 330 335
 Lys Ser Phe Ala Arg Ile Gly Asn Ala Tyr His Lys Leu Gly Asp Leu
 340 345 350
 Lys Lys Thr Ile Glu Tyr Tyr Gln Lys Ser Leu Thr Glu His Arg Thr
 355 360 365
 Ala Asp Ile Leu Thr Lys Leu Arg Asn Ala Glu Lys Glu Leu Lys Lys
 370 375 380
 Ala Glu Ala Glu Ala Tyr Val Asn Pro Glu Lys Ala Glu Glu Ala Arg
 385 390 395 400
 Leu Glu Gly Lys Glu Tyr Phe Thr Lys Ser Asp Trp Pro Asn Ala Val
 405 410 415
 Lys Ala Tyr Thr Glu Met Ile Lys Arg Ala Pro Glu Asp Ala Arg Gly
 420 425 430
 Tyr Ser Asn Arg Ala Ala Ala Leu Ala Lys Leu Met Ser Phe Pro Glu
 435 440 445
 Ala Ile Ala Asp Cys Asn Lys Ala Ile Glu Lys Asp Pro Asn Phe Val
 450 455 460
 Arg Ala Tyr Ile Arg Lys Ala Thr Ala Gln Ile Ala Val Lys Glu Tyr
 465 470 475 480
 Ala Ser Ala Leu Glu Thr Leu Asp Ala Ala Arg Thr Lys Asp Ala Glu
 485 490 495
 Val Asn Asn Gly Ser Ser Ala Arg Glu Ile Asp Gln Leu Tyr Tyr Lys
 500 505 510

261

Ala Ser Gln Gln Arg Phe Gln Pro Gly Thr Ser Asn Glu Thr Pro Glu
515 520 525

Glu Thr Tyr Gln Arg Ala Met Lys Asp Pro Glu Val Ala Ala Ile Met
530 535 540

Gln Asp Pro Val Met Gln Ser Ile Leu Gln Gln Ala Gln Gln Asn Pro
545 550 555 560

Ala Ala Leu Gln Glu His Met Lys Asn Pro Glu Val Phe Lys Lys Ile
565 570 575

Gln Thr Leu Ile Ala Ala Gly Ile Ile Arg Thr Gly Arg
580 585

<210> 257
<211> 710
<212> DNA
<213> Candida albicans

<400> 257
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ataccatact ctaccaacat tatttttagtc cgacgttcag tcctgtaggt gttccaaatc 180
cttctggcat tgacttctgt gcagaaaccc ttcaaaatga gttccacttt acgtcagatc 240
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agaaaaagaa caataaatgc gtcttttattg ctgtgtggaa gtgatttttg tctttcggac 360
aaaaaaagga tagggatgag agagggctgt gaagtagtga tcaagcgggg cctatataag 420
aagggcgac atcgcccc ctaagaatag cgaagcgata ttactactgaa cactacaatg 480
tcaaatagta ctcaataaat atgactgtaa aaatatgtga ctgtgaaggc gaatgttgta 540
aggactcttg tcattgtggg agcacctgcc ttccaagctg ttctggcggg gaaaagtgc 600
aatgtgatca cagcaccgga agccctcaat gtaagagttg tggtgaaaaa tgcaaagtgc 660
aaaccacgtg cacttgtgaa aagagtaaat gcaattgtga aaaatgttag 710

<210> 258
<211> 69
<212> PRT
<213> Candida albicans

<400> 258
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1 5 10 15

Cys His Cys Gly Ser Thr Cys Leu Pro Ser Cys Ser Gly Gly Glu Lys
20 25 30

Cys Lys Cys Asp His Ser Thr Gly Ser Pro Gln Cys Lys Ser Cys Gly
35 40 45

Glu Lys Cys Lys Cys Glu Thr Thr Cys Thr Cys Glu Lys Ser Lys Cys
50 55 60

Asn Cys Glu Lys Cys
65

<210> 259
 <211> 1474
 <212> DNA
 <213> *Candida albicans*

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 tgtcactcag taactagaga gaagccgaat gtactcccc ggctagctgg agaccatggc 180
 tctgcctagg atttctctta tgctttcctt tcaccaatca ctttgttccg gcgaggcccg 240
 cgaagctcgc tttctttcag cctagcaatc atgttcttgc cagcgtcgtg gactactgta 300
 tggcagttgc tgcacttgcc atgaatatcc tagtgaagcc tctatgcaat aatccagtta 360
 ctgcgttaga atcctggtaa aatgtctaata cttattacat tacagcaacg tattagattt 420
 tgattgaaaa ttagtccttg cgacttggtg tatatcttat tttaagaaag ctgaaaggaa 480
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 tgaaagctga gttgagacct ttgcaattca agtccatcag agaagtatgt tattaatttg 660
 aatctaaaact taagaataat ggagagtaac aaaggaaaaa agtgtgaacg ggacgatacc 720
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 tagatatattg gttggtggta acaagatcca aaagggtttg ttagactcaa aggatgtcca 1380
 acaaatcgac tacaaattgg aatctttcca agctgtttac aacaaattga ctggtaagca 1440
 aattgttttc gaaattccaa gtgaaactca tttag 1474

<210> 260
 <211> 190
 <212> PRT
 <213> *Candida albicans*

<400> 260
 Met Ser Ala Pro Gln Ala Lys Ile Leu Ser Gln Ala Pro Thr Glu Leu
 1 5 10 15
 Glu Leu Gln Val Ala Gln Ala Phe Val Glu Leu Glu Asn Ser Ser Pro
 20 25 30
 Glu Leu Lys Ala Glu Leu Arg Pro Leu Gln Phe Lys Ser Ile Arg Glu
 35 40 45
 Ile Asp Val Ala Gly Gly Lys Lys Ala Leu Ala Ile Phe Val Pro Val
 50 55 60
 Pro Ser Leu Ala Gly Phe His Lys Val Gln Thr Lys Leu Thr Arg Glu
 65 70 75 80

```

<400> 262
Met Thr Pro Leu Leu Cys Leu His His Leu Leu Gln Gln Val Ser Val
  1                               10                      15

Thr Lys Ile Gln Thr Thr Lys Met Gln Arg Ser Ser Pro Leu Asn Arg
      20                      25                      30

```

264

Leu Gln Leu Pro Met Val Ala Ser Gln Ser Gln Ser Leu Ser Leu Ser
 35 40 45
 Pro Met Ser Pro Leu Pro Ser Thr Leu Gln Ser Pro Gln Ile Arg Leu
 50 55 60
 His Asn Thr Leu Leu Ser Pro Val His Leu Leu Leu Pro Leu Pro Leu
 65 70 75 80
 Gln Val Thr Tyr Asn Gly Thr Thr Pro Leu Arg Leu Leu Ile Arg Pro
 85 90 95
 Val Gly Glu Leu
 100

<210> 263
 <211> 1255
 <212> DNA
 <213> Candida albicans

<400> 263
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 aacacacgtc ctttaaagat cccctgatag gtttcattaa aggcaacttc catacacggt 120
 gaagtgccaa ttttttccct acatccaagc attctgggtt tgtatgggtg ttacaccggt 180
 ttttcttttt tatttccaga gaagtacaat tttaggcggg tttcaaattt cccctgtgtg 240
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 gataggcata ctgtgggaga gcggcactag ggagaccggt gggaagcacc gtatctagta 360
 acgcacgctc ttttgcaaaa atatccatta attgcatgta acttagatta acactgggtat 420
 taagatttcg caattttggg ctggattatt aaggctcgagt agcaaagttt agcaagaaca 480
 gtacgaacta agtagccaag atgttgatgc caaaggaaga cagaaacaag atccaccaat 540
 acttattcca aggtatgttt tagaataact ttcagaaagc atgaagatac acggaaagtc 600
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 tcaaacacac agatggatac catgcatatg aggttaaagg atttcttatg aatatattag 720
 tggattacat agaagaaatt acaaggaacc gtgtgacgac attttcgaaa ggacagcaca 780
 aggccatcga ccctggagac gtatgaaata tgggtatacgt cctatatattg ggcaagaaaa 840
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 ccaagccaag cacgaagaaa ttgacaccaa gaacttgtat gtcattaagg ctttacaatc 1080
 cttgacttct aagggttacg tcaagactca attctcatgg caatactact actacacctt 1140
 gactgaagaa ggtgttgaat acttgagaga atacttgaac ttgccagaac acattgttcc 1200
 aggtacctac attcaagaaa gaaacccaac tcaaagacca caaagaagat attaa 1255

<210> 264
 <211> 105
 <212> PRT
 <213> Candida albicans

<400> 264
 Met Leu Met Pro Lys Glu Asp Arg Asn Lys Ile His Gln Tyr Leu Phe
 1 5 10 15
 Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Ala Lys His
 20 25 30

265

Glu Glu Ile Asp Thr Lys Asn Leu Tyr Val Ile Lys Ala Leu Gln Ser
 35 40 45
 Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr
 50 55 60
 Tyr Tyr Thr Leu Thr Glu Glu Gly Val Glu Tyr Leu Arg Glu Tyr Leu
 65 70 75 80
 Asn Leu Pro Glu His Ile Val Pro Gly Thr Tyr Ile Gln Glu Arg Asn
 85 90 95
 Pro Thr Gln Arg Pro Gln Arg Arg Tyr
 100 105

<210> 265
 <211> 1432
 <212> DNA
 <213> Candida albicans

<400> 265
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 cgggactggt caccggtaca ttttacgttt ccgacggcgc gatgctatct ttgaattttt 180
 atctctttca ggtaacccca tgaccagtag ggcggcttac taccgaagag aaaaatgtcc 240
 gcggcctaga cagttacttc ccaggccagg gccaggccac acggacagag gcagattcca 300
 agttgttccg catagtctgt ctagctcttt ctcaattttc cgccagattc tgtctaattt 360
 ctttccgctc gagttggcaa cagtacgaag aagtaactct aatagataga tataaccgtt 420
 tttgagggca ttatttttgc agaagataat agaagagaac cgtaacaaag gaatcaagca 480
 aagaaaaagt atgtaataga atgtattgta tgcttgagg atgaatgtca atgtagctat 540
 tttatatggt gagctcaa atgaatgaaca tatcgtggaa atttaaaata ctgaagaata 600
 cccaataagt caatgcaacc tgtgaatggt tttcctgaaa tacgccgaat actgaatacg 660
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 gttaatatca tttgagaagt cttcacatga ggactataga actaccatcc aggaattata 780
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 aataaagcaa tatttttgaa atatgcaagt ttactaaca gaataaattc ttttttgatt 900
 tttatcttta acagtggctc atttcaaaga ataccaagtc attggctcgtc gtttaccac 960
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 tgaaattggt tccatcaacc aaatcaacga agctcaccca accaagggtca agaacttcgg 1140
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 cgtatccaga gttgctgccg tcgaaacctt ataccaagac atggctgcta gacacagagc 1260
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 ccaaaaatct accaagactt tctcttacia gagaccatca accttctact aa 1432

<210> 266
 <211> 174
 <212> PRT
 <213> Candida albicans

<400> 266
 Met Tyr Leu Ala His Phe Lys Glu Tyr Gln Val Ile Gly Arg Arg Leu

266

1	5	10	15
Pro Thr Glu Ser Val	Pro Glu Pro	Lys Leu Phe Arg	Met Arg Ile Phe
20		25	30
Ala Ser Asn Glu Val	Ile Ala Lys Ser	Arg Tyr Trp Tyr	Phe Leu Gln
35	40	45	
Lys Leu His Lys Val	Lys Lys Ala Ser	Gly Glu Ile Val	Ser Ile Asn
50	55	60	
Gln Ile Asn Glu Ala	His Pro Thr Lys	Val Lys Asn Phe	Gly Val Trp
65	70	75	80
Val Arg Tyr Asp Ser	Arg Ser Gly Thr	His Asn Met Tyr	Lys Glu Ile
85	90	95	
Arg Asp Val Ser Arg	Val Ala Ala Val	Glu Thr Leu Tyr	Gln Asp Met
100	105	110	
Ala Ala Arg His Arg	Ala Arg Phe Arg	Ser Ile His Ile	Leu Lys Val
115	120	125	
Ala Glu Ile Glu Lys	Thr Ala Asp Val	Lys Arg Gln Tyr	Val Lys Gln
130	135	140	
Phe Leu Thr Lys Asp	Leu Lys Phe Pro	Leu Pro His Arg	Val Gln Lys
145	150	155	160
Ser Thr Lys Thr Phe	Ser Tyr Lys Arg	Pro Ser Thr Phe	Tyr
165	170		

<210> 267

<211> 932

<212> DNA

<213> Candida albicans

<400> 267

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acatcttggc atattaaatg gttatttcgg ggtttgtttc ggctcaacgg tgatataaaa 180
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caagcaaact tacaatttgc aaaatttcat cgaattctcc gcaggacata ttataaaaagt 360
tatgtcatct cttatcacaa caggtctata agtggttcctt gttcaattgt ttttcccaat 420
tcaaaactct tcacggagca gttaatttat cttactgtcg aagaagtcaa aaactagact 480
atatattatt gagaagaaaa atgtctgacg ttgaagaagt cgttgaagtt caagaagaaa 540
ctggttggtga acaaactgcc gaagttacta tcgaagatgc tttgaagggt gttttgagaa 600
ccgctttggg tcacgatggg ctagctagag gtttgagaga atctaccaag gctttaacca 660
gaggtgaagc tttattgggt gttttgggtc gctctgttac tgaagctaag attatcaagt 720
tggttgaagg tttggctaac gaccagaaaa acaagggtcc attgatcaag gttgctgatg 780
ctaagcaatt aggtgaatgg gctggtttgg gtaagatcga ccgtgaagggt aacgccagaa 840
aggttgctcg tgccctccgtt gttgttggtc agaactgggg tgctgaaact gatgaattgt 900
ccatgatcat ggaacacttc tccaacaat aa 932

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267

<210> 268
 <211> 143
 <212> PRT
 <213> Candida albicans

<400> 268

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Met Ser Asp Val Glu Glu Val Val Glu Val Gln Glu Glu Thr Val Val
 1             5             10             15

Glu Gln Thr Ala Glu Val Thr Ile Glu Asp Ala Leu Lys Val Val Leu
      20             25             30

Arg Thr Ala Leu Val His Asp Gly Leu Ala Arg Gly Leu Arg Glu Ser
      35             40             45

Thr Lys Ala Leu Thr Arg Gly Glu Ala Leu Leu Val Val Leu Val Ser
      50             55             60

Ser Val Thr Glu Ala Asn Ile Ile Lys Leu Val Glu Gly Leu Ala Asn
      65             70             75             80

Asp Pro Glu Asn Lys Val Pro Leu Ile Lys Val Ala Asp Ala Lys Gln
      85             90             95

Leu Gly Glu Trp Ala Gly Leu Gly Lys Ile Asp Arg Glu Gly Asn Ala
      100            105            110

Arg Lys Val Val Gly Ala Ser Val Val Val Val Lys Asn Trp Gly Ala
      115            120            125

Glu Thr Asp Glu Leu Ser Met Ile Met Glu His Phe Ser Gln Gln
      130            135            140

```

<210> 269
 <211> 800
 <212> DNA
 <213> Candida albicans

<400> 269

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ctgggataag ccagtttccg tcaatggcga accaaaggaa attggtgacg gtaaggtctt 180
aaaataatct ctctgtacta tccttcatgt cgctttttat tataaagtat gctaggtagt 240
tttatctata tcttattttat gacgcaatat agggtaacag agtttttctg ctctgaaact 300
tccgcagaaa aaaaatcaag ttttcctttt cgtatcttgg attattgtta tataatagat 360
gcatgtatta tatgtatagc agtgatttgc ttattttctt gattctgagg aatcgaagaa 420
gtaacttagc gtttcttccg ttgagcagag cagtataata atccttcaaa ttctttaggt 480
tacgggggtt tcctgttgcg atgaccgaag aaactattac tatagattct atttcaaatg 540
ggatactgaa taacctgtta accacattga tccaggacat tgtagctcgg gaaaccactc 600
aacaacaatt gctgaagaca agatatccgg atcttcgcag ttattatttc gaccgaacg 660
gatctctcga tattaatgga ctacagaagc aacaagagtc ctctcagtat attcactgtg 720
agaattgtgg cagggatgtg tccgcaaaca gactagcagc tcatttacag agatgtttga 780
gtaggggtgc tagacgttga

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268

<210> 270
 <211> 99
 <212> PRT
 <213> Candida albicans

<400> 270

Met	Thr	Glu	Glu	Thr	Ile	Thr	Ile	Asp	Ser	Ile	Ser	Asn	Gly	Ile	Leu
1				5				10					15		
Asn	Asn	Leu	Leu	Thr	Thr	Leu	Ile	Gln	Asp	Ile	Val	Ala	Arg	Glu	Thr
		20						25					30		
Thr	Gln	Gln	Gln	Leu	Leu	Lys	Thr	Arg	Tyr	Pro	Asp	Leu	Arg	Ser	Tyr
	35						40					45			
Tyr	Phe	Asp	Pro	Asn	Gly	Ser	Leu	Asp	Ile	Asn	Gly	Leu	Gln	Lys	Gln
	50					55					60				
Gln	Glu	Ser	Ser	Gln	Tyr	Ile	His	Cys	Glu	Asn	Cys	Gly	Arg	Asp	Val
65					70					75					80
Ser	Ala	Asn	Arg	Leu	Ala	Ala	His	Leu	Gln	Arg	Cys	Leu	Ser	Arg	Gly
				85					90					95	
Ala	Arg	Arg													

<210> 271
 <211> 1605
 <212> DNA
 <213> Candida albicans

<400> 271

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tgtcatcgac	gcgccggagc	atcggaaggt	tggaacgtgc	gcgattgcac	caatcccact	180
ggggccgtgc	attctgtagg	caggaagcca	ctggacactc	tgcccgttcc	cacttggaag	240
attggcgtaa	ttccacgctc	ctctatcgat	tctagcggga	aagttatctc	tcctggtaag	300
cgttggagga	atgccgctac	ctaggttaagt	ctactgggtg	ggaattccag	taccgacgtc	360
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agtgggtta	gcttattcgt	cattgaattt	ttatatttgc	ttaagagaag	tgacaaaaga	480
gtgaagacag	actatacatc	atgaaggat	gatttatgat	actattattg	aggggcaaca	540
gagaacttta	tatgtggaaa	aatggcatga	aagtttgaaa	gtgagaaaga	actaaacaga	600
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cgtattcgtg	ttttcttcga	caagagaatc	gggtcaagaag	tcgatgggtga	agccgttggt	1020
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atgaagcaag	gtgttttggt	gccaactaga	atcaagttgt	tggtgaccaa	gaacgtttct	1140
tggtacagac	caagacgtga	tggtgaaaga	aagagaaagt	ccgtcagagg	tgccattggt	1200
gggtccagatt	tggctgtctt	ggctttggtc	attgtcaaga	agggtgagca	agaattggaa	1260

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ggctctaactg acactactgt tccaaagaga ttgggtccaa agagagctaa caacatcaga 1320
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accaagggtg aaaagactta caccaaggct ccaaagatcc aaagattggt tactcctcaa 1440
agattgcaaa gaaagagaca ccaaagagct ttgaagggtca gaaacgctca agtcaaaga 1500
gaagctgctg ccgaatacgc tcaattgttg gctaagagat tgtctgaaag aaaggctgag 1560
aaggctgaaa tcagaaagag aagagcttct tctttgaagg cttaa 1605

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<210> 272

<211> 236

<212> PRT

<213> Candida albicans

<400> 272

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Met Lys Leu Asn Ile Ser Tyr Pro Val Asn Gly Ser Gln Lys Thr Phe
  1             5             10             15

Glu Ile Asp Asp Glu His Arg Ile Arg Val Phe Phe Asp Lys Arg Ile
      20             25             30

Gly Gln Glu Val Asp Gly Glu Ala Val Gly Asp Glu Phe Lys Gly Tyr
      35             40             45

Val Phe Lys Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys
      50             55             60

Gln Gly Val Leu Leu Pro Thr Arg Ile Lys Leu Leu Leu Thr Lys Asn
      65             70             75             80

Val Ser Cys Tyr Arg Pro Arg Arg Asp Gly Glu Arg Lys Arg Lys Ser
      85             90             95

Val Arg Gly Ala Ile Val Gly Pro Asp Leu Ala Val Leu Ala Leu Val
      100            105            110

Ile Val Lys Lys Gly Glu Gln Glu Leu Glu Gly Leu Thr Asp Thr Thr
      115            120            125

Val Pro Lys Arg Leu Gly Pro Lys Arg Ala Asn Asn Ile Arg Lys Phe
      130            135            140

Phe Gly Leu Ser Lys Glu Asp Asp Val Arg Asp Phe Val Ile Arg Arg
      145            150            155            160

Glu Val Thr Lys Gly Glu Lys Thr Tyr Thr Lys Ala Pro Lys Ile Gln
      165            170            175

Arg Leu Val Thr Pro Gln Arg Leu Gln Arg Lys Arg His Gln Arg Ala
      180            185            190

Leu Lys Val Arg Asn Ala Gln Ala Gln Arg Glu Ala Ala Ala Glu Tyr
      195            200            205

Ala Gln Leu Leu Ala Lys Arg Leu Ser Glu Arg Lys Ala Glu Lys Ala
      210            215            220

Glu Ile Arg Lys Arg Arg Ala Ser Ser Leu Lys Ala

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225

230

235

<210> 273

<211> 4331

<212> DNA

<213> *Candida albicans*

<400> 273

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<210> 274

<211> 1276

<212> PRT

<213> Candida albicans

<400> 274

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      20               25               30

Ser Pro Ala Ser Ser Ser Ser Thr Ser Ser Ser Lys Asn Gly Asp Asn
      35               40               45

Ser Thr Ser Gly Asn Arg Ser Ser Asn Asp Lys Pro Arg Ala Arg Ser
      50               55               60

Ser Ser Val Ser Asn Ala Ala Leu Cys Asn Thr Glu Lys Pro Asp Leu
      65               70               75               80

Lys Arg Asn Asp Gly Asn Thr Ser Ala Ser Asp Thr Asp Asn Ile Pro
      85               90               95

Leu Leu Thr Pro Ile Asn Ser Gly Asn Arg Ser Asp Ser Ala Asp Ile
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Asp Asn Pro Ala Thr Val Asp Ala Ile Asp Leu Ile Asp Asn Asp Asp
      115              120              125

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 Ser Ser Pro Ser Asn Ala Thr Leu Lys Arg Ser Asn Ser Thr Ser Gly
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 Glu Lys Thr Lys Arg Ser Ile Phe Gly Ser Leu Phe Ser Lys Arg Ser
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 Thr Ser Thr Thr Glu Asn Glu Ser Gly Gly Ile Lys Ala Val Ala Thr
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 Pro Asp Pro Arg Val Lys Glu Ile Ser Ser Pro Met Arg Gly Val Ala
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 Pro Thr Ala Ser Lys Pro Gln Thr Pro Ile Leu Pro Ser Pro Ala Leu
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 Val Asp Lys Phe Glu Ser Asp Pro Pro Gln Gln Leu Pro Ser Arg Thr
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 Tyr Ile Leu Ala Leu Glu Asn Gln Lys Leu Ala Leu Arg Glu Ala Ala
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 Lys His Gln Gln Glu Ala His Phe Ala Ala Asn Arg Ile Ala Phe Glu
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 Val Ala Asn Phe Lys Thr Ala Ser Asp Ala Gly Gly Lys Leu Thr Glu
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 Pro Asn Val Glu Ala Asp Arg Glu Leu Glu Asn Asn Lys Leu Ala Glu
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 His Thr Ile Val Phe Asp Asn Val Ala Leu Asn Gln Asp Met Phe Arg
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 Phe Leu Leu Leu Asn Lys Ser Leu Asn Lys Leu Asp Ile Ser Gln Thr
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 Lys Ile Lys Ser Asp Leu Ala Glu Ser Leu Tyr Arg His Asn Met Asp
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 Glu Glu Leu Leu Phe Asn Gly Ile Gln Phe Ser Lys Ile Pro Tyr Ser
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 Cys Phe Ala Arg Leu Leu Thr Ser Phe Ala Thr Gln Lys Asn Phe Pro
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 Ser Gln Asp Cys Leu Lys Phe Ile Phe Asn Trp Met Ser Gln Tyr Asn
 675 680 685
 Val Gln Gly Val Asp Leu Ala Phe Asn Asp Leu Ser Thr Met Ile Lys
 690 695 700
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Leu Leu Lys Tyr Leu Ser Lys Leu Pro Asn Leu Ile Phe Leu Asp Leu
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 Ser Asn Leu Ser Gln Cys Phe Pro Asp Ile Leu Pro Tyr Met Tyr Lys
 755 760 765
 Tyr Leu Pro Arg Phe Pro Asn Leu Lys Arg Ile His Leu Asp Ser Asn
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 930 935 940
 Thr Lys Arg Tyr Leu Leu Lys Lys Tyr Ile Glu Lys Phe His Ile Leu
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 His His Asn Val Gln His Thr Ile Asp Thr Met Phe Glu Lys Arg Lys
 965 970 975
 Ser Gly Glu Leu Pro Leu Gln Glu Lys Glu Asn Leu Val Arg Leu Leu
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 995 1000 1005
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 Ser Val Asp Ser Ser Glu Asp Ser Lys Leu Pro Ala Leu Lys His Val
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275

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 Pro Asn Thr Asp Lys Gly Ser Val Glu Thr Leu Pro Ala Val Ser Thr
 1235 1240 1245
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 <211> 1262
 <212> DNA
 <213> Candida albicans

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 ggatgaaaa tttaaaaata tataataaca taagtttgca ttcattaata ttaataataa 180

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1262

<210> 276

<211> 253

<212> PRT

<213> Candida albicans

<400> 276

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      20             25             30

Phe Thr Phe Leu Ser Asn Gln Ser Leu Leu Ser Lys Asn Gln Met Lys
      35             40             45

Ser Lys Arg Lys Lys Gly Ser Lys Lys Ala Ala Tyr His Arg Gln Pro
      50             55             60

Pro Glu His Glu His Thr Ala Pro Leu Ile Lys Gln Asn Lys Thr Ile
      65             70             75             80

Thr Lys Lys Glu His Ser Asp Val Arg Gly Ser His Leu Lys Lys Lys
      85             90             95

Arg Ser Asp Phe Ser Trp Leu Pro Arg Val Pro Ser Thr Ser His Leu
      100            105            110

Lys Gln Ser Asp Met Thr Thr Asn Val Leu Tyr Ser Gly Tyr Arg Pro
      115            120            125

Leu Phe Ile Asn Pro Asn Asp Pro Lys Leu Lys Glu Asp Thr Gly Ser
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Thr Leu Tyr Glu Phe Ala Met Lys Leu Glu Asp Leu Asn Glu Pro Leu
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Tyr	His	Leu	Ser	Gln	Lys	Leu	Ile	Asp	Leu	Gly	His	Ser	Val	Val	Ile	
		35					40					45				
Ile	Thr	His	Ala	Tyr	Lys	Asp	Arg	Val	Gly	Val	Arg	His	Leu	Thr	Asn	
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Gly	Leu	Lys	Val	Tyr	His	Val	Pro	Phe	Phe	Val	Ile	Phe	Arg	Glu	Thr	
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Thr	Phe	Pro	Thr	Val	Phe	Ser	Thr	Phe	Pro	Ile	Ile	Arg	Asn	Ile	Leu	
				85					90					95		
Leu	Arg	Glu	Gln	Ile	Gln	Ile	Val	His	Ser	His	Gly	Ser	Ala	Ser	Thr	
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Phe	Ala	His	Glu	Gly	Ile	Leu	His	Ala	Asn	Thr	Met	Gly	Leu	Arg	Thr	
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Val	Phe	Thr	Asp	His	Ser	Leu	Tyr	Gly	Phe	Asn	Asn	Leu	Thr	Ser	Ile	
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Trp	Val	Asn	Lys	Leu	Leu	Thr	Phe	Thr	Leu	Thr	Asn	Ile	Asp	Arg	Val	
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			180					185					190			
Asp	Phe	Lys	Pro	Arg	Asp	Pro	Thr	Gly	Gly	Thr	Lys	Arg	Lys	Gln	Ser	
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Glu	Asp	Val	Glu	Phe	Ile	Val	Ala	Gly	Asp	Gly	Pro	Lys	Phe	Ile	Asp	
				245					250					255		

279

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 Leu Gly Ser Val Pro His Glu Lys Val Arg Asp Val Leu Cys Gln Gly
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 Asp Ile Tyr Leu His Ala Ser Leu Thr Glu Ala Phe Gly Thr Ile Leu
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 Val Glu Ala Ala Ser Cys Asn Leu Leu Ile Val Thr Thr Gln Val Gly
 305 310 315 320
 Gly Ile Pro Glu Val Leu Pro Asn Glu Met Thr Val Tyr Ala Glu Gln
 325 330 335
 Thr Ser Val Ser Asp Leu Val Gln Ala Thr Asn Lys Ala Ile Asn Ile
 340 345 350
 Ile Arg Ser Lys Ala Leu Asp Thr Ser Ser Phe His Asp Ser Val Ser
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 Lys Met Tyr Asp Trp Met Asp Val Ala Lys Arg Thr Val Glu Ile Tyr
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 Thr Asn Ile Ser Ser Thr Ser Ser Ala Asp Asp Lys Asp Trp Met Lys
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 Met Val Ala Asn Leu Tyr Lys Arg Asp Gly Ile Trp Ala Lys His Leu
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 Tyr Leu Leu Cys Gly Ile Val Glu Tyr Met Leu Phe Phe Leu Leu Glu
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<210> 279

<211> 2900

<212> DNA

<213> Candida albicans

<400> 279

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280

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tgtccggtat atggaaaagc gaaagttact tatttaacaa ggatgttaat ccaatcaaca 2700
agaataggac aacgagtaca aaccacagcg ttggccacac tgcttcacag aatgcacgta 2760
acttgctgag gggcccgatg ggttcagca cgactttgca ccaccaacgc gtcattaact 2820
ctctgcagcc gactacgagg gcagtgaatc gcaggatgga aaatgtgggc tacatgcata 2880
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<210> 280

<211> 799

<212> PRT

<213> *Candida albicans*

<400> 280

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Met Val His Arg Gly Arg Thr Leu Lys Ser Asp Thr Asp Val Thr Ser
  1              5              10              15

Leu Asn Ala Ser Thr Val Ser His Gln Ser Lys Pro Phe Arg Gln Phe
      20              25              30

Ser Thr Arg Ser Arg Ala Lys Ser Asn Ala Ser Phe Lys Gly Leu Arg
  35              40              45

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Arg Val Leu Thr His Asp Gly Thr Leu Asp Asn Asp Tyr Phe Asn Lys
 50 55 60
 His Asn Val Ser Gln Lys Cys Lys Ser Ser Asp Ala Leu Phe Arg Lys
 65 70 75 80
 Arg Thr Ile Ser Gly Leu Asn Met Thr Ala Leu Thr Arg Val Lys Ser
 85 90 95
 Asn Gln Gly Lys Arg Ser Ala Ser Phe His Ser Pro Val His Asn Thr
 100 105 110
 Leu Leu Ser Pro Lys Asn Ser Ser His Ser Asn Thr Gly Thr Ala Gly
 115 120 125
 Phe Gly Leu Lys Pro Arg Arg Ser Lys Ser Thr Gln Ser Val Leu Ser
 130 135 140
 Leu Arg Asp Ala Gln Glu Ser Lys Lys Ser Glu Ser Thr Thr Asp Glu
 145 150 155 160
 Glu Val Glu Cys Phe Ser Glu Asp Asn Ile Glu Asp Gly Lys Val Asn
 165 170 175
 Asn Asp Lys Val Ile Ala Glu His Val Met Pro Glu Glu Lys Lys Asn
 180 185 190
 Val Gln Gln Leu Asn Gln Asn Glu Leu Gln Ser Pro Asp Ser Ile Asp
 195 200 205
 Glu Gln Glu Glu Asp Lys Ser Gly Thr Asp Gly Lys Glu Asn His Arg
 210 215 220
 Ala Val Ser Leu Pro Leu Pro His Leu Ser Ser Asn Asn Tyr Phe Gly
 225 230 235 240
 Glu Ser Ser His Ser Ile Glu His Gln Lys Asp Gly Glu Thr Ser Pro
 245 250 255
 Ser Ser Ile Glu Thr Lys Leu Asn Ala Thr Ser Val Ile Asn Glu Glu
 260 265 270
 Gly Gln Ser Lys Val Thr Lys Glu Ala Asp Ile Asp Asp Leu Ser Ser
 275 280 285
 His Ser Gln Asn Leu Arg Ala Ser Leu Val Lys Ala Gly Asp Asn Ile
 290 295 300
 Ser Glu Ala Pro Tyr Asp Lys Glu Lys Lys Ile Leu Asp Val Gly Asn
 305 310 315 320
 Thr Leu Ala Ala His Lys Ser Asn Gln Lys Pro Ser His Ser Asp Glu
 325 330 335
 Gln Phe Asp Gln Glu Asp His Ile Asp Ala Pro Arg Ser Asn Ser Ser
 340 345 350

Arg Lys Ser Asp Ser Ser Phe Met Ser Leu Arg Arg Gln Ser Ser Lys
 355 360 365
 Gln His Lys Leu Leu Asn Glu Glu Glu Asp Leu Ile Lys Pro Asp Asp
 370 375 380
 Ile Ser Ser Ala Gly Thr Lys Asp Ile Glu Gly His Ser Leu Leu Glu
 385 390 395 400
 Asn Tyr Ala Pro Asn Met Ile Leu Ser Gln Ser Thr Gly Val Glu Arg
 405 410 415
 Arg Phe Glu Asn Ser Ser Ser Ile Gln Asn Ser Leu Gly Asn Glu Ile
 420 425 430
 His Asp Ser Gly Glu His Met Ala Ser Gly Asp Thr Phe Asn Glu Leu
 435 440 445
 Asp Asp Gly Lys Leu Arg Lys Ser Lys Lys Asn Gly Gly Arg Ser Gln
 450 455 460
 Leu Gly Gln Asn Ile Pro Asn Ser Gln Ser Thr Phe Pro Thr Ile Ala
 465 470 475 480
 Asn Ile Gly Ser Lys Asp Asn Asn Val Pro Gln His Asn Phe Ser Thr
 485 490 495
 Ser Ile Ser Ser Leu Thr Asn Asn Leu Arg Arg Ala Ala Pro Glu Ser
 500 505 510
 Phe His Gly Ser Arg Met Asn Asn Ile Phe His Lys Lys Gly Asn Gln
 515 520 525
 Asn Leu Leu Leu Arg Ser Asn Asp Leu Asn Lys Asn Ser Ala Ala Pro
 530 535 540
 Ala Ser Pro Leu Ser Asn Glu His Ile Thr Ser Ser Thr Asn Ser Gly
 545 550 555 560
 Ser Asp Ala Asn Arg Gln Ser Asn Ser Gly Ala Lys Phe Asn Ser Phe
 565 570 575
 Ala Gln Phe Leu Lys Ser Asp Gly Ile Asp Ala Glu Ser Arg Thr Gln
 580 585 590
 Arg Lys Leu Trp Leu Gln Arg Glu Asn Ser Ile Met Asp Leu Ser Ser
 595 600 605
 Gln Asn Asp Gly Ser Asp Ser Ile Phe Met Ala Gly Asn Ile Asp Ala
 610 615 620
 Lys Arg Glu Phe Glu Arg Ile Ser His Glu Tyr Ser Asn Val Lys Arg
 625 630 635 640
 Phe Tyr Asn Pro Leu Asp Glu Ala Leu Leu Arg Val Gln Pro Ile Ile
 645 650 655

Thr Gly Asn Ala Asn Asn Ile Arg Lys Lys Ser His Asn Asp Ala Gln
 660 665 670
 Ser Ile Ala His Ser Ser Ser Asp Thr Asp His Lys Asp Glu Asp Asp
 675 680 685
 Leu Leu Phe Thr Asn Tyr Asp Lys Lys Phe Asp Asp Leu Tyr Pro His
 690 695 700
 Leu Ala Ser Ala Lys Ile Gln Ala Val Leu Ser Gly Ile Trp Lys Ser
 705 710 715 720
 Glu Ser Tyr Leu Phe Asn Lys Asp Val Asn Pro Ile Asn Lys Asn Arg
 725 730 735
 Thr Thr Ser Thr Asn His Ser Val Gly His Thr Ala Ser Gln Asn Ala
 740 745 750
 Arg Asn Leu Leu Arg Gly Pro Met Gly Ser Ser Thr Thr Leu His His
 755 760 765
 Gln Arg Val Ile Asn Ser Leu Gln Pro Thr Thr Arg Ala Val Asn Arg
 770 775 780
 Arg Met Glu Asn Val Gly Tyr Met His Thr Gln Pro Gln Gln Arg
 785 790 795

<210> 281

<211> 1212

<212> DNA

<213> Candida albicans

<400> 281

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ggatttttatt ttattttcctt tttaatgcta agaaagtaat tccgcataat taaacgtgtg 180
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gtatacgccc gcattacccg acaactccgt ctgcaacgcg ttgaccagaa aactcgaaca 360
agagatcgca taaaaaacca aaaggaaacg aattacttgt caaatagtta ttgtaatgga 420
tcctctagaa aggcaaacag tagattttatt tccttccttt ctagaaacat cattataact 480
aacaatatat aattggaata atggctgggt gggatatatt tgggttgggt atgttatcac 540
cctgttcacg tttttcggat acttagtttt attcaatgtg gtaaaccattg aatgttttca 600
gcttaagatc tatttttttt tttctagaag aaattgcgtc ctttactaac tttattttac 660
tgtacagtca gagatgtgtt ggcttcctt ggtctgtgga acaaaccatgg taaactactt 720
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gtaattcttg gtaacaagat cgatgctcca aacgccgttt ctgaagcgga gctacgttct 1080
gctttaggat tattgaatac cactggctct caaagaattg aagggtcaaa accagttgaa 1140
gttttcatgt gttccgttgt tatgagaaat gggtatttag aggcgttcca atgggtatct 1200
caatatattt aa

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284

<210> 282
 <211> 190
 <212> PRT
 <213> Candida albicans

<400> 282
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 Leu Gly Leu Trp Asn Lys His Gly Lys Leu Leu Phe Leu Gly Leu Asp
 20 25 30
 Asn Ala Gly Lys Thr Thr Leu Leu His Met Leu Lys Asn Asp Arg Leu
 35 40 45
 Ala Thr Leu Gln Pro Thr Trp His Pro Thr Ser Glu Glu Leu Ala Ile
 50 55 60
 Gly Asn Ile Lys Phe Thr Thr Phe Asp Leu Gly Gly His Ile Gln Ala
 65 70 75 80
 Arg Arg Leu Trp Lys Asp Tyr Phe Pro Glu Val Asn Gly Ile Val Phe
 85 90 95
 Leu Val Asp Ala Ala Asp Pro Glu Arg Phe Asp Glu Ala Arg Val Glu
 100 105 110
 Leu Asp Ala Leu Phe Asn Ile Ala Glu Leu Lys Asp Val Pro Phe Val
 115 120 125
 Ile Leu Gly Asn Lys Ile Asp Ala Pro Asn Ala Val Ser Glu Ala Glu
 130 135 140
 Leu Arg Ser Ala Leu Gly Leu Leu Asn Thr Thr Gly Ser Gln Arg Ile
 145 150 155 160
 Glu Gly Gln Arg Pro Val Glu Val Phe Met Cys Ser Val Val Met Arg
 165 170 175
 Asn Gly Tyr Leu Glu Ala Phe Gln Trp Leu Ser Gln Tyr Ile
 180 185 190

<210> 283
 <211> 1025
 <212> DNA
 <213> Candida albicans

<400> 283
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 ccaaccatcc taaagggtatg ggtgtactga cgatgcgatt atttcattaa gttctgtctt 180
 ttttgtataa atgaaaaaag aacggtgaaa tccatagaaa tacagagagc gacgcaaaca 240
 gcgcgcagac tctacgggta atagactcac atccacgtga ccagttttcca atcgaacttt 300
 ttcactttgc agggaattat tgtttccacta gcaaaggtag ccacttacc actcagctat 360

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gcgaaagttt cattgtttga tacatcttga tagtaaccgc aggcttcttt cttagttcat 420
atatttattgt atttcaacta atattatttt tttttcagt gaagggaagg tgaaccaaga 480
acatacaaac atagccaaag atgtctgcca aagctcaaaa ccctatgctg gatttgaaga 540
tcgaaaagtt ggtcttaaac atttctgttg gtgaatctgg tgacagattg accagagcct 600
ccaaggtttt agagcaatta tctggtcaaa ctccagttca atccaaggcc agatacactg 660
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caaaggctga agaaattttg gaaagaggtt tgaagggtcaa ggaataccaa ttgagagaca 780
gaaactttct tgctaccggt aacttcgggt tccggtattga cgaacacatt gacttgggta 840
tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900
caggtgctag agtcactaga agaaagagat gtaagggtac cgttggtaac tcccacaaga 960
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aataa 1025

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<210> 284

<211> 174

<212> PRT

<213> Candida albicans

<400> 284

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Met Ser Ala Lys Ala Gln Asn Pro Met Arg Asp Leu Lys Ile Glu Lys
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Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
      20              25              30

Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
      35              40              45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
      50              55              60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
      65              70              75              80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe
      85              90              95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
      100              105              110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr
      115              120              125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys
      130              135              140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val
      145              150              155              160

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys
      165              170

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<210> 285

<211> 1229

<212> DNA

<213> *Candida albicans*

<400> 285

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aaaaatttga gtgtgggctgg cacaaatcct tctcatacca ctgaaagaat gtttttaaat 180
ttacctttta acaattccct gttcaatgcc ccaccagtag aaattaattt taatgatctt 240
gaagttttgg aattgtacac tcaattagta ttataccgag atgatattac caaatctact 300
tttgaattag ctatatacacc agcaaatttg aatatttctc aacggaaaat catatcaatt 360
ttatgtaatt atttgaattt attagaattg ttgataatg gggtgataat aattagaaga 420
aaaccaggat acattgctca gtgtataact caacaatcta ttattcctaa ttctcaacag 480
gtgtctgggc caactcaccg gcaacaacat caacagaatc aacttcaaca acagcaacag 540
caacaacatc aacatcaaca tccttcacat tcatcatcga tgatgaacct tcatcaattg 600
gggtggtacat tagctgttcc agcgcaccct gaattattaa gatccaatc gcaatcagca 660
ttaccgttgc caagattgag acagcaaacc tctacaccaaa ttcaacaaaa tcaacaagtt 720
cagcaccaaa atcaaccacc acaacaacaa cagcaacagc atgttcaacc acaatataat 780
tattacaatc agcaatctat tcaaagccaa ccacattctg cgagacctta ttctcaatca 840
tataatatatt atcaacaaca acagcaacag cagcaacaac aagctcaaca acaagctcaa 900
caacaacaac aacaacaatt acaatatcaa cagggacacc agtcacaagt ttcaacacct 960
acattgaatt cttctagtgc tgctgcatta cttagatcaa gtagcagtag atcatttgtt 1020
gatgtgagat ccacacctcc cacaagtagt tttgctcaac agcaacaaca acaacaacaa 1080
caacagcaac agccgccact aacttcatca atccatgatt ctccaacacc acatcatcat 1140
ttaccacttc aacagcagcc accacaacca aatcattacc tatccaatta ccatcagggg 1200
gttggatctc aaccaaaaac tccattggc 1229

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<210> 286

<211> 409

<212> PRT

<213> *Candida albicans*

<400> 286

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Arg Glu Arg Ile Glu Glu Lys Arg Glu Lys Arg Gly Gln Leu Glu
 1             5             10             15

Glu Gln His Arg Ser Ala Ser Asn Ala Ser Met Ala Ser Leu Leu Ser
          20             25             30

Ala Ala Ser Thr Thr Ala Ala Thr Lys Asn Leu Ser Val Ala Gly Thr
 35             40             45

Asn Pro Ser His Thr Thr Glu Arg Met Phe Leu Asn Leu Pro Phe Asn
 50             55             60

Asn Ser Ser Phe Asn Ala Pro Pro Val Glu Ile Asn Phe Asn Asp Leu
 65             70             75             80

Glu Val Leu Glu Leu Tyr Thr Gln Leu Val Leu Tyr Arg Asp Asp Ile
          85             90             95

Thr Lys Ser Thr Phe Glu Leu Ala Ile Ser Pro Ala Asn Leu Asn Ile
 100             105             110

Ser Gln Arg Lys Ile Ile Ser Ile Leu Cys Asn Tyr Leu Asn Leu Leu
 115             120             125

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Glu Leu Phe Asp Asn Gly Leu Ile Ile Ile Arg Arg Lys Pro Gly Tyr
 130 135 140
 Ile Ala Gln Cys Ile Thr Gln Gln Ser Ile Ile Pro Asn Ser Gln Gln
 145 150 155 160
 Val Ser Gly Pro Thr His Pro Gln Gln His Gln Gln Asn Gln Leu Gln
 165 170 175
 Gln Gln Gln Gln Gln Gln His Gln His Gln His Pro Ser His Ser Ser
 180 185 190
 Ser Met Met Asn Leu His Gln Leu Gly Gly Thr Leu Ala Val Pro Ala
 195 200 205
 His Pro Glu Leu Leu Arg Ser Gln Ser Gln Ser Ala Leu Pro Leu Pro
 210 215 220
 Arg Leu Arg Gln Gln Thr Ser Thr Pro Ile Gln Gln Asn Gln Gln Val
 225 230 235 240
 Gln His Gln Asn Gln Pro Pro Gln Gln Gln Gln Gln Gln His Val Gln
 245 250 255
 Pro Gln Tyr Asn Tyr Tyr Asn Gln Gln Ser Ile Gln Ser Gln Pro His
 260 265 270
 Ser Ala Arg Pro Tyr Ser Gln Ser Tyr Asn Ile Tyr Gln Gln Gln Gln
 275 280 285
 Gln Gln Gln Gln Gln Gln Ala Gln Gln Gln Ala Gln Gln Gln Gln Gln
 290 295 300
 Gln Gln Leu Gln Tyr Gln Gln Gly His Gln Ser Gln Val Ser Thr Pro
 305 310 315 320
 Thr Leu Asn Ser Ser Ser Ala Ala Ala Leu Leu Arg Ser Ser Ser Ser
 325 330 335
 Arg Ser Phe Val Asp Val Arg Ser Thr Pro Pro Thr Ser Ser Phe Ala
 340 345 350
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Leu Thr
 355 360 365
 Ser Ser Ile His Asp Ser Pro Thr Pro His His His Leu Pro Leu Gln
 370 375 380
 Gln Gln Pro Pro Gln Pro Asn His Tyr Leu Ser Asn Tyr His Gln Gly
 385 390 395 400
 Val Gly Ser Gln Pro Lys Thr Pro Leu
 405

<211> 2153

<212> DNA

<213> *Candida albicans*

<400> 287

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tattaacaga atactttttt gtattcaact ctctaactct ttctattttt tttttttttc 180
tatatacact gttaaataca tcaacaatag caggatatcc attcatatac aaatagataa 240
actgtttaat taattaatta actgatttga tttgggaaaa aacaaatttt atatttggag 300
aattgaattt caatcatttt aacaaattca aagctttaat tcccacctat caaatttcat 360
tattattttg ttttcattat tttttttttc cctttctttc tttctttctt tcttttttgg 420
aacaaagtaa tagccgataa aataaataat tcacatagcc caattcatat tacattgact 480
tttgacaaga ggtatatata atggatttta gaaatttatc aactacaccg aatcaaattg 540
gcactgtaat gcaacgtcgt ccctctctat catcattatc gtcagcctcg ggctattctt 600
cttccaatta tgggtggaaat cctacaccca atcccaacaa ttccaatacc aataacaata 660
gtagtggcaa tagtaataac aacactcatg gcaataacac tcccaaatat tcaactcaaa 720
gattgacaaa taataggaat ttacaatcct tgtggataaa ccaaccatct attgctcctt 780
ctaattgtgt tccttgggtg gaacagcaac aacaacaaac ccttgatctg ttggaaaata 840
atactaaaac agactccagt aatgatgctt ctgctactaa taataataat gttaattgta 900
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acacaaatgt taatgcaaac acaacagcaa ctagtattaa tgcttccacg attttaaata 1020
ctacaccaag tattaatgac actaatgata atgccaacaa aattaatgtt tccatgatta 1080
gtaataacaa taacaataac agtaacaata ataacaacaa cactaacaat agtagtacag 1140
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aaattaattt taatgatctt gaagtttttg aattgtacac tcaattagta ttataccgag 1800
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caacggaaaa tcatatcaat ttatgtaatt atttgaattt attagaattg tttgataatg 1920
ggttgctact aattagaaaa aaaccaggat ccattgctca gtgtataact caaaaatcta 1980
ttattcctaa ttctcaacag gtgtctgggc caactcacc gcaccaccat caaaagaatc 2040
aacttcacca acagcaacag caacacacat caacatcaac atccttaaca ttcattcatc 2100
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<210> 288

<211> 550

<212> PRT

<213> *Candida albicans*

<400> 288

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Met Asp Phe Arg Asn Leu Ser Thr Thr Pro Asn Gln Met Gly Thr Val
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Met Gln Arg Arg Pro Ser Leu Ser Ser Leu Ser Ser Ala Ser Gly Tyr
 20             25             30

Ser Ser Ser Asn Tyr Gly Gly Asn Pro Thr Pro Asn Pro Asn Asn Ser
 35             40             45

```


Gly Gln Leu Glu Glu Gln His Arg Ser Ala Ser Asn Ala Ser Leu Ala
 355 360 365
 Ser Leu Leu Ser Ala Ala Ser Thr Thr Ala Ala Thr Lys Asn Leu Ser
 370 375 380
 Val Ala Gly Thr Asn Pro Ser His Thr Thr Glu Arg Met Phe Leu Asn
 385 390 395 400
 Leu Pro Phe Asn Asn Ser Ser Phe Asn Ala Pro Pro Val Glu Ile Asn
 405 410 415
 Phe Asn Asp Leu Glu Val Leu Glu Leu Tyr Thr Gln Leu Val Leu Tyr
 420 425 430
 Arg Asp Asp Ile Thr Lys Ser Thr Phe Glu Leu Ala Ile Ser Pro Ser
 435 440 445
 Ile Phe Glu Tyr Phe Ser Thr Glu Asn His Ile Asn Leu Cys Asn Tyr
 450 455 460
 Leu Asn Leu Leu Glu Leu Phe Asp Asn Gly Leu Leu Leu Ile Arg Lys
 465 470 475 480
 Lys Pro Gly Ser Ile Ala Gln Cys Ile Thr Gln Lys Ser Ile Ile Pro
 485 490 495
 Asn Ser Gln Gln Val Ser Gly Pro Thr His Pro His His His Gln Lys
 500 505 510
 Asn Gln Leu His Gln Gln Gln Gln Gln His Thr Ser Thr Ser Thr Ser
 515 520 525
 Leu Thr Phe Ile Ile Asp Asp Glu Pro Ser Ser Ile Gly Trp Tyr Ile
 530 535 540
 Ser Cys Ser Ser Ala Pro
 545 550

<210> 289

<211> 3254

<212> DNA

<213> Candida albicans

<400> 289

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 cctgacagta tattaataaaa tattctttttt aacttatattt tcaatcaaga aggtactgaa 240
 gatatcaatt aactctcagt taaatccata ttaccagttg tggaataatc agaagaaaaa 300
 aaaaaaaagag agaaaaatca cgggaattac gttctcaaca gaaaataaca ataatttttt 360
 tttattcatt ccaagggtata acaagaacgt taggaataat ataaaattat caccaaagct 420
 gccatcaacg tgtgtcgaca accaatcgac tcctccctta actagaacca tagaacctca 480
 acatttgttt ctatagaaaa atgaagtttg aaaaaggtaa agtgagaatt ttgcctaaac 540


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catccccctac accaaccaac ccacaaaccc cattgccatt acttccagct caaactaaac 600
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gaaaatcaaaa ttctacagct tcaacaccca acagtgtctac accaaccatca gtcggaacac 720
ctccacagaa aacttccaaa ccaacagggtc ataggccagt gacttcatgt actttttgtc 780
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tccaatcatt gaaactggat gttgatgaat tgaaggccaa gattgaaatg ttgactaaaa 960
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<210> 290

<211> 917

<212> PRT

<213> Candida albicans

<400> 290

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 Glu Ser Lys Lys Ser Arg Lys Ser Asn Ser Thr Ala Ser Thr Pro Asn
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 Ser Ala Thr Pro Thr Ser Val Gly Thr Pro Pro Gln Lys Thr Ser Lys
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 Pro Thr Gly His Arg Pro Val Thr Ser Cys Thr Phe Cys Arg Gln His
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 Lys Ile Lys Cys Asn Ala Ser Asp Asn Tyr Pro Asn Pro Cys Glu Arg
 100 105 110
 Cys Lys Lys Met Gly Leu Lys Cys Glu Ile Asp Pro Glu Phe Arg Pro
 115 120 125
 Arg Lys Gly Ser Gln Ile Gln Ser Leu Lys Ser Asp Val Asp Glu Leu
 130 135 140
 Lys Ala Lys Ile Glu Met Leu Thr Lys Asn Glu Ser Leu Leu Thr Gln
 145 150 155 160
 Ala Leu Asn Gln His Asn Leu Asn His Ala Ser Gln Gln Gln Gln Ser
 165 170 175
 Ser Gly Ser Gln Ser Gln Gln Gln His Pro Pro Asn Pro Gln Arg Ala
 180 185 190
 Leu Ser Tyr Thr Ser Ala Asn Ser Ser Pro Gln Val Ala Phe Ser Asn
 195 200 205
 Ala Ser Pro Ile Pro Ser Val Thr Ser Ile Gln Gln Asn Ala Pro Leu
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 Thr His Glu Asn Ser Asp Asn Ser Pro Tyr Ala Leu Asn Thr Pro Glu
 225 230 235 240
 Asn Ile Glu Glu Leu Gln Pro Ile Ser Glu Phe Ile Leu Gly Asp Val
 245 250 255
 Thr Leu Pro Leu Asn Arg Ala Asn Glu Leu His Asp Lys Phe Met Thr
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 Thr His Leu Pro Phe Leu Pro Ile Ile Ile Ser Arg Ser Ala Thr Glu
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 Leu Tyr His Lys Ser Gln Leu Leu Phe Trp Ala Val Ile Leu Thr Ala
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 Ser Leu Ser Glu Pro Glu Pro Lys Leu Tyr Met Ser Leu Ala Ser Leu
 305 310 315 320

Ile Lys Gln Leu Ala Ile Glu Thr Cys Trp Ile Lys Thr Pro Arg Ser
 325 330 335
 Thr His Val Ile Gln Ala Leu Ile Ile Leu Ser Ile Trp Pro Leu Pro
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 Asn Glu Lys Val Leu Asp Asp Cys Ser Tyr Arg Phe Val Gly Leu Ala
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 Gln Glu Phe Ser Arg Asn Gln Val Ser Leu Gly Pro Asp Ala Glu Arg
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 Trp Arg Thr Arg Ser Trp Leu Ala Val Phe Phe Cys Glu Gln Phe Trp
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 Ser Ser Leu Leu Gly Leu Pro Pro Ser Ile Asn Thr Thr Asp Tyr Leu
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 465 470 475 480
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 Lys Leu Met Ile Cys Cys Phe Ala Phe Leu Pro Gly Thr Pro Ile Glu
 515 520 525
 Asp Gln Val Lys Tyr Val Ser Phe Ala Tyr Leu Ser Ala Thr Arg Ile
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 Val Thr Ile Val Ser Lys Met Val Asn Asp Ile Ser Leu Ile Glu Leu
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 Pro Ile Tyr Ile Arg Gln Ala Val Thr Tyr Ser Val Phe Met Leu Phe
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 Lys Leu His Leu Ser Arg Tyr Leu Ile Asp Lys Tyr Val Asp Ser Ala
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 Arg Gln Ser Ile Val Thr Val His Arg Leu Phe Arg Asn Thr Leu Ser
 595 600 605
 Ser Trp Lys Asp Leu Gln Asn Asp Ile Ser Arg Thr Ala Lys Val Leu
 610 615 620

Glu Asn Leu Asn Met Val Leu Tyr Asn Tyr Pro Glu Ile Phe Leu Asn
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 Asp Ser Glu Asn Glu Asp Ser Ser Ile Ile Thr Arg Met Arg Ser His
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 Leu Thr Ala Ser Leu Phe Tyr Asp Leu Val Trp Cys Val His Glu Ala
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 Arg Arg Arg Ser Val Leu Asp Lys Gly Lys Arg Gln Ala Gln Pro Asn
 675 680 685
 Lys Lys Ile Leu Pro Leu Pro Phe Tyr Asn Gln Ile Thr Lys Asp Asp
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 Phe Lys Thr Ile Thr Thr Thr Ser Pro Asn Gly Thr Thr Ile Thr Thr
 705 710 715 720
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 Asp Ser Ser Lys Pro Leu Glu Ile Asn Gly Ile Pro Leu Pro Met Leu
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 Glu Ala Thr Gly Ser Thr Arg Glu Val Leu Asp Ser Leu Pro Ser Gln
 755 760 765
 Ser Leu Pro Ser Gln Ala Pro Thr Leu Gln Gln Tyr Pro Met Gln Gln
 770 775 780
 Asp Gln Gln Gln Gln Glu Pro Ser Gln Gln Gln Gln Gln Lys His Ser
 785 790 795 800
 Gln Gln Ser Gln Gln Tyr Gln Gln Gln Gln Gln Ser Asn Gln Gln Gln
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 Pro His Leu Gln His Gln Arg Gln Phe Gln Gln Ser Pro Pro Pro Gln
 820 825 830
 Phe Ser Met Ile Ser Ser Thr Pro Pro Leu Gln Gln Pro Pro Phe Ile
 835 840 845
 Leu Ala Asn Ser Pro Leu Pro Gln Thr Tyr Leu Pro Lys Ile Asp Glu
 850 855 860
 Met Asn Met Ser Pro Glu Val Lys Gln Glu Asn Ser Val Ala Pro Phe
 865 870 875 880
 Ala Ser Gln Ile Thr Asn Phe Phe Asp Gln Gln Thr Ser Gly Trp Phe
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 Met Met Gln Glu Lys
 915

295

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 <212> DNA
 <213> Candida albicans

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 <213> Candida albicans

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 35 40 45
 Tyr Leu Val Pro Val Asp Leu Thr Val Gly Gln Phe Val Tyr Val Ile
 50 55 60
 Arg Lys Arg Ile Lys Leu Pro Ser Glu Lys Ala Ile Phe Ile Phe Val
 65 70 75 80
 Asn Asp Ile Leu Pro Pro Thr Ala Ala Leu Ile Ser Thr Ile Tyr Glu
 85 90 95
 Glu His Lys Asp Glu Asp Gly Phe Leu Tyr Val Leu Tyr Ser Gly Glu
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 Ser Asp Ile Pro Asp Tyr Val

130

135

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 <213> *Candida albicans*

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<211> 796
<212> PRT
<213> Candida albicans
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Val	Gln	Lys	Val	Val	Lys	Arg	Lys	Leu	Pro	Thr	Thr	Thr	Asn	Pro	Lys	
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Pro	Ala	Lys	Ile	Leu	Thr	Thr	Asp	Pro	Gly	Ser	Thr	Lys	Tyr	Val	Ile	
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Gln	Trp	Arg	Lys	Lys	Thr	Ser	Lys	Lys	Asn	Lys	Thr	Trp	Asp	Gly	Asp	
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Pro	Lys	Ala	Lys	Asp	Tyr	Val	Lys	Val	Asn	Ile	Asp	Pro	His	Leu	Ala	
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 His Phe Asp Glu Leu Ser Ala Val Lys Phe Asp Leu Leu Val Cys Asp
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 Glu Gly His Arg Leu Lys Asn Ser Ala Asn Lys Val Leu Asn Asn Leu
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 Gln Asn Glu Leu Val Glu Phe His Thr Leu Ile Ser Phe Leu Asn Pro
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 Gly Val Leu Pro Glu Leu Lys Leu Phe Gln Arg Asn Phe Ile Thr Pro
 385 390 395 400
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Ser Arg Leu Asp Gly Ser Thr Pro Asn Asn Val Arg Ser Lys Leu Val
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<211> 2643

<212> DNA

<213> Candida albicans

<400> 295

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<210> 296

<211> 714

<212> PRT

<213> Candida albicans

<400> 296

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20 25 30

Ser Leu Lys Thr Leu Ile Asp Leu Leu Tyr Asp Lys Gly Phe Ala Ala

301

35					40					45						
Gln	Ile	Arg	Pro	Gly	Asp	Leu	Asp	His	Leu	Leu	Val	Phe	Val	Lys	Leu	
50					55					60						
Ser	Ser	Tyr	Lys	Phe	Ser	Glu	Glu	Ala	Glu	Lys	Asp	Leu	Ile	Lys	Asn	
65					70					75					80	
Tyr	Glu	Phe	Gly	Val	Thr	Gly	Lys	Asp	Asp	Val	Leu	Ala	Ser	Lys	Leu	
85					90					95						
Arg	Ile	Ile	Tyr	Gln	Tyr	Leu	Thr	Tyr	Pro	Gln	Ser	Val	Gly	Gly	Cys	
100					105					110						
Gly	Ile	Thr	Pro	Asn	Ser	Gly	Asp	Trp	Lys	Phe	Val	Thr	Ser	Ile	Val	
115					120					125						
Pro	Ile	Thr	Asn	Ala	Phe	Asn	Glu	Thr	Thr	Leu	Val	Glu	Asp	Leu	Lys	
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Ile	Asn	Val	Thr	Gln	Pro	Asn	Leu	Ser	Ile	Ala	Thr	Ile	Lys	Lys	Thr	
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165					170					175						
Phe	Trp	Leu	Leu	Leu	Leu	Ser	Ile	Ile	Gly	Leu	Val	Ser	His	Phe	Arg	
180					185					190						
Lys	Asp	Lys	Arg	Phe	Ser	Leu	Thr	Phe	Ala	Phe	Ile	Asn	Leu	Leu	Trp	
195					200					205						
Gly	Val	Leu	Phe	Leu	Ala	Ser	Trp	His	Arg	Arg	Glu	Gln	His	Leu	Val	
210					215					220						
Asn	Val	Trp	Gly	Val	Gln	Asn	Ser	His	Leu	Ile	Glu	Glu	His	Asn	Ser	
225					230					235					240	
Glu	Leu	Ala	Lys	Val	Asn	Glu	Arg	Tyr	Glu	Glu	Lys	Ser	Thr	Tyr	Phe	
245					250					255						
His	Ala	Asn	Asn	Thr	Asn	Gly	Phe	Arg	Phe	Leu	Lys	Gln	Leu	Ala	Phe	
260					265					270						
Ile	Pro	Ile	Ala	Leu	Val	Phe	Val	Gly	Val	Leu	Ile	Ser	Tyr	Gln	Leu	
275					280					285						
Ser	Cys	Phe	Cys	Ile	Glu	Ile	Phe	Leu	Thr	Asp	Ile	Tyr	Asp	Gly	Pro	
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Gly	Lys	Ser	Leu	Leu	Thr	Leu	Leu	Pro	Thr	Val	Leu	Ile	Ser	Val	Phe	
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Val	Pro	Ile	Leu	Thr	Ile	Val	Tyr	Asn	Ala	Val	Thr	Asp	Ile	Ile	Ile	
325					330					335						
Lys	Trp	Glu	Asn	His	Asp	Asn	Gln	Tyr	Ser	Lys	Asn	Asn	Ser	Ile	Leu	

302

340					345					350					
Val	Lys	Thr	Phe	Val	Leu	Asn	Phe	Leu	Thr	Gly	Tyr	Val	Pro	Leu	Ile
		355					360					365			
Ile	Thr	Ser	Phe	Ile	Tyr	Leu	Pro	Phe	Ala	His	Leu	Val	Gln	Pro	His
	370					375					380				
Leu	Gly	Asp	Ile	Lys	Thr	Thr	Ile	Ala	Thr	Tyr	Ala	Gly	Glu	Asn	Arg
385						390					395				400
Phe	Tyr	Thr	Lys	Tyr	Leu	Leu	Lys	Leu	Lys	Ser	Gln	Glu	Glu	Phe	Lys
			405					410						415	
Ile	Asn	Gln	Gly	Arg	Leu	Asp	Ala	Gln	Phe	Phe	Tyr	Phe	Ile	Val	Thr
			420					425					430		
Asn	Gln	Val	Ile	Gln	Leu	Val	Leu	Lys	Tyr	Ile	Leu	Pro	Leu	Gly	Leu
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Arg	Phe	Val	Phe	Asn	Phe	Ile	Glu	Thr	Lys	Ile	Gln	Lys	Lys	Pro	Gln
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465						470					475				480
Val	Arg	Leu	Ser	Leu	Lys	Leu	Pro	Glu	Tyr	Asn	Val	Asp	Asp	Asp	Phe
			485						490					495	
Arg	Gly	Leu	Val	Leu	Gln	Phe	Gly	Tyr	Leu	Ile	Met	Phe	Gly	Pro	Val
		500						505					510		
Trp	Pro	Leu	Ala	Pro	Leu	Val	Cys	Ile	Ile	Phe	Asn	Leu	Ile	Phe	Phe
		515					520					525			
Lys	Leu	Asp	Asn	Phe	Lys	Leu	Leu	Asn	Gly	Lys	Tyr	Phe	Lys	Pro	Pro
	530					535					540				
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545						550					555				560
Leu	Leu	Ala	Trp	Ile	Gly	Ser	Ile	Ile	Ser	Pro	Val	Val	Thr	Ala	Phe
			565						570					575	
Tyr	Arg	His	Gly	Thr	Ala	Pro	Pro	Lys	Ser	Met	Gly	Gln	Phe	Ala	Leu
			580					585					590		
Asp	Lys	Ala	Ser	Val	His	Val	Ser	Ser	Ser	Val	Phe	Leu	Val	Leu	Leu
		595					600					605			
Met	Phe	Val	Ser	Glu	His	Gly	Phe	Leu	Ile	Leu	Ser	Tyr	Leu	Leu	Phe
	610					615					620				
Glu	Phe	Ser	Ser	Leu	Phe	Lys	Ser	Gln	Val	Glu	Trp	Glu	Asn	Asp	Phe
625						630					635				640
Val	Asp	Asn	Asp	Ile	Lys	Leu	Arg	His	Asp	Tyr	Tyr	Ser	Gly	Lys	Val

303

645	650	655
Lys Pro Thr Tyr Lys Val His Ser Asp Glu Leu Trp Glu Lys Phe Thr		
660	665	670
Pro Gln Ser Thr Leu Asn Phe Thr Gly Pro Lys Pro Thr Ala Glu Thr		
675	680	685
Asp Asp Lys Val Glu Lys Ile Ala Ser Thr Glu Asp Ala Tyr Ser Thr		
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Ser Ala Glu Lys Ser Thr Thr Thr Ala Thr		
705	710	

<210> 297

<211> 1784

<212> DNA

<213> Candida albicans

<400> 297

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aacacacaaa aaacatccag ttctggagag atttttcaa acttctatta taaatagaac 300
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tcaccaattt tcttctctcc aaaaaaaca ccttcttcat ggtttctggt tctaaattaa 420
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caatttatgc taaatttgaa aactacaaag gtacttttaa aggtgatttg tcattcttaa 720
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<210> 298

<211> 461

<212> PRT

<213> Candida albicans

<400> 298

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      20           25           30

Gln Tyr Asn Ile Leu Asn Phe Leu Gly Gly Ser Ala Pro Tyr Ile Gln
      35           40           45

Arg Asn Gly Tyr Gly Ile Ser Thr Asp Ile Pro Ala Gly Cys Glu Ile
      50           55           60

Ala Gln Ile Gln Leu Tyr Ser Arg His Gly Glu Arg Tyr Pro Ser Lys
      65           70           75           80

Ser Asn Gly Lys Ser Leu Glu Ala Ile Tyr Ala Lys Phe Glu Asn Tyr
      85           90           95

Lys Gly Thr Phe Lys Gly Asp Leu Ser Phe Leu Asn Asp Tyr Thr Tyr
      100           105           110

Phe Val Lys Asp Gln Ser Asn Tyr Ala Lys Glu Thr Ser Pro Lys Asn
      115           120           125

Ser Glu Gly Thr Tyr Ala Gly Thr Thr Asn Ala Leu Arg His Gly Ala
      130           135           140

Ala Phe Arg Ala Lys Tyr Gly Ser Leu Tyr Lys Glu Asn Ser Thr Leu
      145           150           155           160

Pro Ile Phe Thr Ser Asn Ser Asn Arg Val His Glu Thr Ser Lys Tyr
      165           170           175

Phe Ala Arg Gly Phe Leu Gly Asp Asp Tyr Glu Glu Gly Lys Thr Val
      180           185           190

Lys Phe Asn Ile Ile Ser Glu Asp Ala Asp Leu Gly Ala Asn Ser Leu
      195           200           205

Thr Pro Arg Ser Ala Cys Ser Lys Asn Lys Glu Ser Ser Ser Ser Thr
      210           215           220

Ala Lys Lys Tyr Asn Thr Thr Tyr Leu Asn Ala Ile Ala Glu Arg Leu
      225           230           235           240

Val Lys Pro Asn Pro Gly Leu Asn Leu Thr Thr Ser Asp Val Asn Asn
      245           250           255

Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro
      260           265           270

Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Asn Ser Tyr Gly
      275           280           285

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305

Asn Asp Leu Ser Lys Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr
 290 295 300
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys
 305 310 315 320
 Asp Thr Lys Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr
 325 330 335
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu
 340 345 350
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser
 355 360 365
 Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys
 370 375 380
 Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro
 385 390 395 400
 Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp
 405 410 415
 Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Val Lys
 420 425 430
 Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp
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 Asp Tyr Lys Asn Val Thr Tyr Ser Ala Pro Leu Glu Leu
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<210> 299

<211> 1871

<212> DNA

<213> Candida albicans

<400> 299

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ataatattgt caagtacctt ggtggcagcg gtccatatat tcaaaattca ggggatggga 660
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gtgagcgatt tcttagtaaa ggagatggga aatactttaa ttcagtgatg gaagttttca 780
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<210> 300

<211> 456

<212> PRT

<213> Candida albicans

<400> 300

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      20              25              30

Gln Tyr Asn Ile Val Lys Tyr Leu Gly Gly Ser Gly Pro Tyr Ile Gln
      35              40              45

Asn Ser Gly Tyr Gly Ile Ser Thr Asp Ile Pro Glu Lys Cys Thr Ile
      50              55              60

Glu Gln Val Gln Met Ile Ser Arg His Gly Glu Arg Phe Pro Ser Lys
      65              70              75              80

Gly Asp Gly Lys Tyr Phe Asn Ser Val Met Glu Val Phe Lys Arg Tyr
      85              90              95

Gly Glu Phe His Gly Asp Leu Ser Phe Leu Asn Asp Tyr Glu Tyr Phe
      100              105              110

Val Thr Asn Pro Asp Tyr Tyr Glu Lys Glu Thr Thr Pro Lys Asn Ser
      115              120              125

Lys Gly Pro Tyr Phe Gly Thr Thr Asn Leu Leu Arg His Gly Ala Tyr
      130              135              140

Phe Arg Lys Arg Tyr Gln Ser Leu Phe Asp Gln Lys Glu Lys Leu Val
      145              150              155              160

Val Phe Thr Ser Asn Ser Gly Arg Cys Tyr Gln Ser Gly Val Tyr Phe
      165              170              175

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307

Ala Arg Gly Phe Leu Gly Asp Asp Tyr Ser Glu Asp Thr Val Glu Phe
 180 185 190
 Val Val Val Asp Glu Asp Lys Lys Met Gly Gly Asn Ser Leu Thr Pro
 195 200 205
 Arg Tyr Ala Cys Lys Thr Leu Asn Gln Asp Leu His Lys Asp Leu Val
 210 215 220
 Asn Gln Tyr Asp Lys Thr Tyr Leu Asp Asp Ile Leu Ser Arg Trp Leu
 225 230 235 240
 Val Asp Asn Pro Gly Leu Asp Leu Ser Ala Asp Gln Val Ser Ser Leu
 245 250 255
 Phe Leu Trp Cys Ala Phe Glu Ile Asn Val Arg Gly Tyr Ser Pro Phe
 260 265 270
 Cys Asn Leu Phe Thr Lys Asp Glu Phe Ile Arg Ser Gly Tyr Arg Asn
 275 280 285
 Asp Val Gly Asn Tyr Tyr Gln Thr Gly Pro Gly Asn Asn Met Thr Lys
 290 295 300
 Val Ile Gly Ser Pro Met Val Glu Ala Ser Leu Lys Met Leu Gln Glu
 305 310 315 320
 Asp Ser Lys Ile Trp Leu Thr Phe Thr His Asp Thr Asp Ile Glu Met
 325 330 335
 Tyr Leu Thr Ser Leu Gly Leu Ile Val Pro Pro Gly Asp Leu Pro Val
 340 345 350
 Asp Arg Val Pro Phe Pro Asn Pro Tyr Asn Ala Ala Glu Phe Phe Pro
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 Gln Gly Ala Arg Thr Tyr Thr Glu Lys Leu Lys Cys Gly Glu Lys Gln
 370 375 380
 Tyr Val Arg Phe Ile Val Asn Asp Ala Val Tyr Pro Tyr Pro Asp Cys
 385 390 395 400
 Ser Gly Gly Pro Gly Phe Thr Cys Glu Leu Asn Asp Phe Ile Lys Leu
 405 410 415
 Val Lys Ser Arg Leu His Asp Val Asp Tyr Lys Leu Gln Cys Glu Val
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 Asp Gly Pro Ala Glu Leu Thr Phe Tyr Trp Asp Tyr Lys Asp Arg Lys
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 Tyr Asn Ala Pro Leu Ile Asp Gln
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<210> 301

<211> 1888

<212> DNA

<213> *Candida albicans*

<400> 301

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caacgatgct gtcgtgccaa ttccaaaatg tgctactggg ccagggttct cttgtaaaact 1740
tgatgatttt gaaaatttcg ttaaagaaag aattggagat gttgactttg ttaaacaatg 1800
tgggtgtcaat agtacctacc catctgagct tactttctac tgggattata aaaatgtcac 1860
ttacaatgct ccttttaggtg attttttaa 1888

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<210> 302

<211> 462

<212> PRT

<213> *Candida albicans*

<400> 302

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Met Val Ser Val Ser Lys Leu Leu Asn Asn Gly Leu Leu Leu Ala Gly
  1                      5                      10                      15

Gln Ser Val Phe Gln Asp Val Ala Thr Pro Gln Gln Ala Ser Val Gln
      20                      25                      30

Gln Tyr Asn Ile Val Asn Ser Leu Gly Gly Ser Ala Pro Tyr Ile Gln
      35                      40                      45

Arg Asn Gly Tyr Gly Ile Ser Thr Asp Ile Pro Ala Gly Cys Glu Ile
      50                      55                      60

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Ala Gln Ile Gln Leu Tyr Ser Arg His Gly Glu Arg Tyr Pro Ser Lys
 65 70 75 80
 Ser Asn Gly Lys Ser Leu Glu Ala Ile Tyr Ala Lys Phe Glu Asn Tyr
 85 90 95
 Lys Gly Thr Phe Lys Gly Asp Leu Ala Phe Leu Asn Asp Tyr Thr Tyr
 100 105 110
 Phe Val Thr Asp Lys Asn Asn Tyr Glu Lys Glu Thr Ser Pro Lys Asn
 115 120 125
 Ser Glu Gly Thr Tyr Ala Gly Thr Thr Asn Ala Leu Arg His Gly Ala
 130 135 140
 Ala Phe Arg Ala Lys Tyr Gly Ser Leu Tyr Lys Glu Asn Ser Thr Leu
 145 150 155 160
 Pro Val Phe Ser Ser Asn Ser Gly Arg Cys Tyr Gln Thr Ser Arg Tyr
 165 170 175
 Phe Ala Arg Gly Phe Leu Gly Asp Asp Phe Lys Glu Gly Lys Thr Val
 180 185 190
 Lys Phe Asn Ile Ile Ser Glu Asp Ala Asp Val Gly Ala Asn Ser Leu
 195 200 205
 Thr Pro Arg Ser Ala Cys Ser Lys Asn Lys Glu Arg Ser Ser Ser Thr
 210 215 220
 Ala Lys Lys Tyr Asn Thr Thr Tyr Leu Asn Ala Ile Thr Glu Arg Leu
 225 230 235 240
 Val Lys Pro Asn Pro Gly Leu Asn Leu Thr Thr Ser Asp Val Asn Asn
 245 250 255
 Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro
 260 265 270
 Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Tyr Ser Tyr Gly
 275 280 285
 Asn Asp Leu Ser Asn Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr
 290 295 300
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys
 305 310 315 320
 Asp Thr Lys Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr
 325 330 335
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu
 340 345 350
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser
 355 360 365

310

Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys
 370 375 380

Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro
 385 390 395 400

Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp
 405 410 415

Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Val Lys
 420 425 430

Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp
 435 440 445

Asp Tyr Lys Asn Val Thr Tyr Asn Ala Pro Leu Gly Asp Phe
 450 455 460

<210> 303

<211> 1886

<212> DNA

<213> Candida albicans

<400> 303

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aacaacaat caacatatta aatcgttatc ccaactttgt cagttttact aacacctttt 180
attttgtgtt atacaaattg cacaatcaat tactataact tttttttgaa acgtgggctc 240
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tcgtacaata atgttaattc aattctaaat tccgatgaac cgaacacaca aaaaacatcc 360
agttctggag agatttttca aaacttctat tataaataga accctataag tccataataa 420
ttcaattgaa ggattatttt cttttccctt ttctgattac tttcaccaat tttcttctct 480
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aaaactacaa tggtagattc aaaggtgatt tgtcattctt aaatgattac acttattttg 840
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ccggtacaac caatgccttg cgtcatgggt ctgctgttag agccaaatat ggatccttat 960
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caaagtattt cgctagaggg tttttagggt atgattatga agaaggtaaa actgtcaagt 1080
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ttgatgattt tgaaaatttc gttaaagaaa gaattggaga tgttgacttt attaaacaat 1800
tggtgtgcaa tagtacctac ccactctgagc ttactttcta ctgggattat aaaaatgtca 1860

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cttacaatgc tccttttagaa ttgtaa

1886

<210> 304

<211> 461

<212> PRT

<213> Candida albicans

<400> 304

Met	Val	Ser	Val	Ser	Lys	Leu	Ile	Asn	Asn	Gly	Leu	Leu	Leu	Thr	Ser
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Gln	Ser	Val	Phe	Gln	Asp	Val	Ala	Thr	Pro	Gln	Gln	Ala	Ser	Val	Gln
			20					25					30		
Gln	Tyr	Asn	Ile	Leu	Asn	Phe	Leu	Gly	Gly	Ser	Ala	Pro	Tyr	Ile	Gln
		35					40					45			
Arg	Asn	Gly	Tyr	Gly	Ile	Ser	Thr	Asp	Ile	Pro	Ala	Gly	Cys	Glu	Ile
	50					55					60				
Ala	Gln	Ile	Gln	Leu	Tyr	Ser	Arg	His	Gly	Glu	Arg	Phe	Pro	Thr	Ala
65					70					75					80
Ser	Ser	Gly	Lys	Asp	Tyr	Glu	Lys	Ile	Tyr	Ala	Lys	Phe	Lys	Asn	Tyr
				85					90					95	
Asn	Gly	Thr	Phe	Lys	Gly	Asp	Leu	Ser	Phe	Leu	Asn	Asp	Tyr	Thr	Tyr
			100					105						110	
Phe	Val	Lys	Asp	Gln	Ser	Asn	Tyr	Ala	Lys	Glu	Thr	Ser	Pro	Lys	Asn
		115					120						125		
Ser	Glu	Gly	Thr	Tyr	Ala	Gly	Thr	Thr	Asn	Ala	Leu	Arg	His	Gly	Ala
	130					135					140				
Ala	Phe	Arg	Ala	Lys	Tyr	Gly	Ser	Leu	Tyr	Lys	Glu	Asn	Ser	Thr	Leu
145					150					155					160
Pro	Ile	Phe	Thr	Ser	Asn	Ser	Asn	Arg	Val	His	Glu	Thr	Ser	Lys	Tyr
				165				170						175	
Phe	Ala	Arg	Gly	Phe	Leu	Gly	Asp	Asp	Tyr	Glu	Glu	Gly	Lys	Thr	Val
			180					185					190		
Lys	Phe	Asn	Ile	Ile	Ser	Glu	Asp	Ala	Asp	Leu	Gly	Ala	Asn	Ser	Leu
		195					200					205			
Thr	Pro	Arg	Ser	Ala	Cys	Ser	Lys	Asn	Lys	Glu	Ser	Ser	Ser	Ser	Thr
	210					215					220				
Ala	Lys	Lys	Tyr	Asn	Thr	Thr	Tyr	Leu	Asn	Ala	Ile	Ala	Glu	Arg	Leu
225					230					235					240
Val	Lys	Pro	Asn	Pro	Gly	Leu	Asn	Leu	Thr	Thr	Ser	Asp	Val	Asn	Asn
				245					250					255	

312

Leu Phe Ser Trp Cys Ala Tyr Glu Ile Asn Val Arg Gly Ser Ser Pro
 260 265 270
 Phe Cys Asp Leu Phe Thr Asn Glu Glu Phe Ile Lys Asn Ser Tyr Gly
 275 280 285
 Asn Asp Leu Ser Lys Tyr Tyr Ser Asn Gly Ala Gly Asn Asn Tyr Thr
 290 295 300
 Arg Ile Ile Gly Ser Val Ile Leu Asn Ser Ser Leu Glu Leu Leu Lys
 305 310 315 320
 Asp Thr Glu Asn Ser Asn Gln Val Trp Leu Ser Phe Ala His Asp Thr
 325 330 335
 Asp Leu Glu Ile Phe His Ser Ala Leu Gly Leu Leu Glu Pro Ala Glu
 340 345 350
 Asp Leu Pro Thr Ser Tyr Ile Pro Phe Pro Asn Pro Tyr Val His Ser
 355 360 365
 Ser Ile Val Pro Gln Gly Ala Arg Ile Tyr Thr Glu Lys Leu Gln Cys
 370 375 380
 Gly Asn Asp Ala Tyr Val Arg Tyr Ile Ile Asn Asp Ala Val Val Pro
 385 390 395 400
 Ile Pro Lys Cys Ala Thr Gly Pro Gly Phe Ser Cys Lys Leu Asp Asp
 405 410 415
 Phe Glu Asn Phe Val Lys Glu Arg Ile Gly Asp Val Asp Phe Ile Lys
 420 425 430
 Gln Cys Gly Val Asn Ser Thr Tyr Pro Ser Glu Leu Thr Phe Tyr Trp
 435 440 445
 Asp Tyr Lys Asn Val Thr Tyr Asn Ala Pro Leu Glu Leu
 450 455 460

<210> 305

<211> 1635

<212> DNA

<213> Candida albicans

<400> 305

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 gacttagggc tatagcccta ctttttacttg tacgatactg catattttgt tgttgtgcga 180
 atagtttagcg taataatctt tttttttgtg tgtgtgcggt ttacttactc ttcttctctt 240
 cgcacatatt ttatttagagc ttacagtgtg ttgtatagtg agagtttcac taacacaaag 300
 cttcaacaat actaacaat tttcgcacgc tgtggaagga gaaacttaca ctgtacacta 360
 cactacactg tacactatac accaccaaca gaaaaaaaaa attatcaaat tttcaacctt 420
 gagagaaaaa aaaaagtggg aaaaaaactt cttcttacat ttagttaatt ttcagacagg 480
 cacaaaggaa ttaatcacca tgaaggtagt tgattgaata taacctatat cagtgattat 540
 aattagagtc tttattttgga tattgcaata attggataat aaagaaagag cataagagta 600

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ggagtttttaa acaggataat tggattcaat aagaggaaaa atttttttatc gtcgtgatta 660
taacaaatac aaagaaatta agcaatgaag tgatataagc aaatgaagga ctagttttatt 720
aggggtgaca ttttttagact acgtaaaagt actttcgatt caaggaaaac caaatTTTTtag 780
tatctatcaa caaactacaa atcaatttag ttaacttcaa taatgacaat aattttaatc 840
actgaaaaca ataaacatgc aaacaagcaa aactagtcaa gctttacgaa teagtcaata 900
ctaacaatac ttttttttgt ttcatttttag ttaaaccatct catatccagc caacgggtact 960
caaaaatcta tggatatcga tgatgacaca aaattacgtg tttctacgga aaaaagaatg 1020
gggtcaagaag ttgaagggtga ctcagttgga gatgaattca aagggttacat cttcaaaatc 1080
actgggtggta acgataaaca aggtgtccca atgaaacaag gtgttatgca cccaaccaga 1140
gttagattat tattatctaa aggtcactct tgttacagac caagaagaac tggtgaaaga 1200
aaaagaaaaat ccggttagagg ttgtattggt gctcaagatt tgtcagtttt ggctttgtct 1260
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gttagagatt tcgttggttag aagagaagtt actaaagggtg acaaaaactta caccaaagct 1440
ccaaagattc aaagattagt tactccacaa actttacaaa gaaagagagc tttgaaagct 1500
aaaaaagtca agaatgctca acaacaaaga gatgctgctg ctgaatacgc tcaattgttg 1560
gctaagagat tgcataaag aaaagaagaa agagctgaaa ttaaaaagaa gagagctgaa 1620
tcttttaaaga actaa 1635

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<210> 306

<211> 236

<212> PRT

<213> Candida albicans

<400> 306

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Met Lys Leu Asn Ile Ser Tyr Pro Ala Asn Gly Thr Gln Lys Ser Met
  1             5             10             15

Asp Ile Asp Asp Asp Thr Lys Leu Arg Val Ser Thr Glu Lys Arg Met
      20             25             30

Gly Gln Glu Val Glu Gly Asp Ser Val Gly Asp Glu Phe Lys Gly Tyr
      35             40             45

Ile Phe Lys Ile Thr Gly Gly Asn Asp Lys Gln Gly Val Pro Met Lys
      50             55             60

Gln Gly Val Met His Pro Thr Arg Val Arg Leu Leu Leu Ser Lys Gly
      65             70             75             80

His Ser Cys Tyr Arg Pro Arg Arg Thr Gly Glu Arg Lys Arg Lys Ser
      85             90             95

Val Arg Gly Cys Ile Val Ala Gln Asp Leu Ser Val Leu Ala Leu Ser
      100            105            110

Ile Val Lys Gln Gly Asp Asn Glu Ile Glu Gly Leu Thr Asp Thr Thr
      115            120            125

Val Pro Lys Arg Leu Gly Pro Lys Arg Ala Asn His Ile Arg Lys Phe
      130            135            140

Phe Gly Leu Thr Lys Glu Asp Asp Val Arg Asp Phe Val Val Arg Arg
      145            150            155            160

Glu Val Thr Lys Gly Asp Lys Thr Tyr Thr Lys Ala Pro Lys Ile Gln

```

314

165	170	175
Arg Leu Val Thr Pro Gln Thr Leu Gln Arg Lys Arg Ala Leu Lys Ala		
180	185	190
Lys Lys Val Lys Asn Ala Gln Gln Gln Arg Asp Ala Ala Ala Glu Tyr		
195	200	205
Ala Gln Leu Leu Ala Lys Arg Leu His Glu Arg Lys Glu Glu Arg Ala		
210	215	220
Glu Ile Lys Lys Lys Arg Ala Glu Ser Leu Lys Asn		
225	230	235

<210> 307
 <211> 1520
 <212> DNA
 <213> Candida albicans

<400> 307
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 aacaatgata acggaggagg attatcccat acaaacagaa tagttggttg tgtagttggt 120
 gggggttggtg gttctatatt aattgggttg ttggccggtt tattttactt gagaaagaga 180
 aacaaccgtg attatgaagg tggatggact ttctggagaa agaagagaa attgggaagt 240
 gatgagttct tcaatggtga attgggtgtc agagacagaa atattaatca aggatcaaat 300
 ttttaaacaa ggcttatttt ggatgagggg ggtttttttt ataagtattt tgtagttgaa 360
 tttaaaattt tgtacottaa agtcttttaa ttttaatttt ataaaaagtg gtgatttggc 420
 aaacttcaag agtatatttg gtgaaaaaaa aaaaaaaatt tggaactgaa cgcgtctaac 480
 atcttatacc tctaagcaaa atgtcagagt actctgtgta tcaacagttg aatgaagata 540
 caaacgcaac taaatatact tataaattac tacagctacc atcaaagata ctaaataaac 600
 ttgaatccaa gtcaactaac ttgtatataa aatctgatat caattcccta gcattatgca 660
 ctgattcaga aactttcaag ttacgacaaa tgaaccattc caatacagtc ttgctattga 720
 acaagaacac tgacaacaag ttaattgggt ttcagaaaac cagttatgaa tatgagttga 780
 cagaaatcaa aggttcgata gatacgtcog atatccctat tttcaacgga caaacagcac 840
 agcaacctat tgatttgata gcattggaag ataattcgat ttgttcacat caagagtttt 900
 tatcgaattg gtatgagttg ggaggttggt aaattgataa tggagcatat ataagagtg 960
 cagatattat tactgaacta ttatatctat taatcaccaa attgatgagt ttacaagtgc 1020
 acgagttttc tccggaagat gtttcatcca tcatcacgcc cccttataat gactcaatgg 1080
 taacatcaat catacacaaa ttttgcacta tagaaagtga gaaatatcaa ttgaatgatt 1140
 taaaaattac acagtgggtt ggcattgttg agatgtcaaa aatcaatcat aaaatgaccg 1200
 atatttcaga gttcttattg aattggaaaa ctagtgtgcc gtcattctat aacctocat 1260
 tggacatcag tcaattggca ggctattact gctccccaat cgaaaacaaa atattgtatg 1320
 tcgaccacga atctttatca gaaaatttga gtcaacgatt caaagaattg tttgaattgg 1380
 ataaaagttg gaactatgat gagtttattc cattcattaa aaagtttggt cctgccggta 1440
 aaaaggctga ctcaattatt ttaaagtatg gcaagaagaa gaaagttggt agagatagat 1500
 ttatagtcgt tcctagataa 1520

<210> 308
 <211> 339
 <212> PRT
 <213> Candida albicans

<400> 308
 Met Ser Glu Tyr Ser Val Tyr Gln Gln Leu Asn Glu Asp Thr Asn Ala

315

1	5	10	15
Thr Lys Tyr Thr Tyr Lys Leu Leu Gln Leu Pro Ser Lys Ile Leu Asn	20	25	30
Gln Leu Glu Ser Lys Ser Thr Asn Leu Tyr Ile Lys Ser Asp Ile Asn	35	40	45
Ser Leu Ala Leu Cys Thr Asp Ser Glu Thr Phe Lys Leu Arg Gln Met	50	55	60
Asn His Ser Asn Thr Val Leu Leu Leu Asn Lys Glu Pro Asp Asn Lys	65	70	75
Leu Ile Gly Phe Gln Lys Thr Ser Tyr Glu Tyr Glu Leu Thr Glu Ile	85	90	95
Lys Gly Ser Ile Asp Thr Ser Asp Ile Pro Ile Phe Asn Gly Gln Thr	100	105	110
Ala Gln Gln Pro Ile Asp Leu Ile Ala Leu Glu Asp Asn Ser Ile Cys	115	120	125
Ser His Gln Glu Phe Leu Ser Asn Trp Tyr Glu Leu Gly Gly Cys Glu	130	135	140
Ile Asp Asn Gly Ala Tyr Ile Met Ser Ala Asp Ile Ile Thr Glu Leu	145	150	155
Leu Tyr Leu Leu Ile Thr Lys Leu Met Ser Leu Gln Val His Glu Phe	165	170	175
Ser Pro Glu Asp Val Ser Ser Ile Ile Thr Pro Pro Tyr Asn Asp Ser	180	185	190
Met Val Thr Ser Ile Ile His Lys Phe Cys Thr Ile Glu Ser Glu Lys	195	200	205
Tyr Gln Leu Asn Asp Leu Lys Ile Thr Gln Trp Phe Gly Ile Val Glu	210	215	220
Met Ser Lys Ile Asn His Lys Met Thr Asp Ile Ser Glu Phe Leu Leu	225	230	235
Asn Trp Lys Thr Ser Leu Pro Ser Phe Tyr Asn Pro Pro Leu Asp Ile	245	250	255
Ser Gln Leu Ala Gly Tyr Tyr Cys Ser Pro Ile Glu Asn Lys Ile Leu	260	265	270
Tyr Val Asp Pro Glu Ser Leu Ser Glu Asn Leu Ser Gln Arg Phe Lys	275	280	285
Glu Leu Phe Glu Leu Asp Lys Ser Trp Asn Tyr Asp Glu Phe Ile Pro	290	295	300
Phe Ile Lys Lys Phe Val Pro Ala Gly Lys Lys Val Asp Ser Ile Ile			

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<400> 310
Val Lys Leu Pro Leu Phe Asp Leu Phe Leu Leu Gly Cys Ala Pro Asp
  1                               10                      15
Gly His Ile Ala Ser Leu Phe Pro Asn His Gly Glu Gln Leu Arg Glu
                20                      25                      30
Lys Leu Ala Trp Val Leu Pro Val Ser Asn Ala Pro Ser Gly Pro Glu
                35                      40                      45
Asn Arg Ile Thr Leu Ser Ile Pro Val Ile Cys His Ser Ala Arg Val
  50                               55                               60
Thr Phe Val Val Glu Gly Leu Thr Lys Ala Pro Ile Ile Lys Thr Ile
  65                               70                               75                      80
Met Glu Arg Pro Glu Lys Gly Leu Pro Ser Ser Ile Val Asn Glu Gly
                85                               90                      95
Ala Ala Gly Arg Val Ser Trp Phe Val Asp Asp Asp Ala Leu Asn Asp
                100                      105                      110

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317

Leu Phe Asp Ile Thr Lys Lys Lys Tyr Lys Tyr Leu Ser Ile Pro Glu
 115 120 125

Pro Ser His
 130

<210> 311
 <211> 1190
 <212> DNA
 <213> Candida albicans

<400> 311
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 attgaacaat gaatacacgt ccaagaaaaa tttgacatga ttagaatcgc ggtcaattac 120
 attcccggaa cgtcttggac tacttggata caacaatgga aaatgaggaa aatgaggaaa 180
 atgaggaaaa cgaggaaaac gaggaaaata tttaccgaag agtaattata ttacaagcat 240
 tgaaagagga gaagtgaacg ccccaaacag aaacaatacc gaacatcaca aaaaaaaaaa 300
 aagacaacag ctaaaatttt ttggtcagaa cacaactttg gaagaaagaa aaaaaccgga 360
 aaaaagaaat tcatctaataa cacatacaca atatataat atatataata atatatccat 420
 atacatatgc tttaatTTaa ccttcccgc tttcttttct tctttttgaa ttatatcgat 480
 tttaaaaact acacttcatc atggctggag ttagacaatt aagaataata gcattaacgg 540
 cctttgtcct tggtttaatt tttactttac ataaagtTgg atccaacgct gcatccttgg 600
 ttcattgcaca agcatcagac caacaaccaa acaaacataa caccaaaagt actacatata 660
 ccgccactaa tgacgaatca gttgccaatc tcattgattc taaaaatgat cctcaaactg 720
 atgacaaaaat aaatcaaaaa atatcacaag atcaagatga agccatcaat ggtaataaag 780
 acactaataa agacaccacc aaagtcaaac cagataatgg tgaatatgat ccaatatctg 840
 atttgataaa aattagatca ttatcaccaa tgacaatttt cagtaaataca tattgtccat 900
 attcaaaaaa gattaaacaa ttgttattag aaaaatatga tataacacca gcaccaaagt 960
 ttgttgaatt agatcgatat gaatatggag ctgaattaca aagttatttg acagagaaga 1020
 gtgggagaag aactgtgcca aacgtattgg ttggtaaatc atttgaaagt aggggtgggt 1080
 gtgatgaatt tgaaaaactt cataaagata atgatttgat taaattgtta gttgaatggg 1140
 ggtctgggtcg tttacaagtt gcaaagaaga ataccatc aaatgcctaa 1190

<210> 312
 <211> 229
 <212> PRT
 <213> Candida albicans

<400> 312
 Met Ala Gly Val Arg Gln Leu Arg Ile Ile Ala Leu Thr Ala Phe Val
 1 5 10 15
 Leu Gly Leu Ile Phe Thr Leu His Lys Val Gly Ser Asn Ala Ala Ser
 20 25 30
 Leu Val His Ala Gln Ala Ser Asp Gln Gln Pro Asn Lys His Asn Thr
 35 40 45
 Lys Ser Thr Thr Tyr Thr Ala Thr Asn Asp Glu Ser Val Ala Asn Leu
 50 55 60
 Ile Asp Ser Lys Asn Asp Pro Gln Thr Asp Asp Lys Ile Asn Gln Lys
 65 70 75 80

318

Ile Ser Gln Asp Gln Asp Glu Ala Ile Asn Gly Asn Lys Asp Thr Asn
 85 90 95
 Lys Asp Thr Thr Lys Val Lys Pro Asp Asn Gly Glu Tyr Asp Pro Ile
 100 105 110
 Ser Asp Leu Ile Lys Ile Arg Ser Leu Ser Pro Met Thr Ile Phe Ser
 115 120 125
 Lys Ser Tyr Cys Pro Tyr Ser Lys Lys Ile Lys Gln Leu Leu Leu Glu
 130 135 140
 Lys Tyr Asp Ile Thr Pro Ala Pro Asn Val Val Glu Leu Asp Arg Tyr
 145 150 155 160
 Glu Tyr Gly Ala Glu Leu Gln Ser Tyr Leu Thr Glu Lys Ser Gly Arg
 165 170 175
 Arg Thr Val Pro Asn Val Leu Val Gly Lys Ser Phe Glu Ser Arg Gly
 180 185 190
 Gly Cys Asp Glu Phe Glu Lys Leu His Lys Asp Asn Asp`Leu Ile Lys
 195 200 205
 Leu Leu Val Glu Trp Gly Ser Gly Arg Leu Gln Val Ala Lys Lys Asn
 210 215 220
 Thr Pro Ser Asn Ala
 225

<210> 313
 <211> 1256
 <212> DNA
 <213> Candida albicans

<400> 313
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 acttgtagga agtagaactg ttttccaatg aaaagtagtt ttaattagaa aaattttcaa 120
 agtgcgtagaa gccagtgctg aatgtgcgag gaagcccagt cagttagtag tgtccttccc 180
 tccactgtct gtaatacaaaa atttccctta gtgaaaatgc gaaatatatc tgtactggga 240
 acccccggga aaaaaaaaaa cctatgctca aaactatatg tactgtacac aatctagggc 300
 tatagcccta atattgtaca ggaagaactt taactatggt gcgaagagcg tttccaattt 360
 tttttttttc aggtgtagtc tgttctatgg caatactggt gttagtagag agtgtctcgc 420
 actaacagaa catttttttc agaacaggaa aatttttgaa atctaacatc ttttactgaa 480
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 tcaaagttta cgaaccattg actttggttg gtttagataa attccaaggt atcgacatca 1020
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 ctaaaggttt gggtgcttac caccaaaaat acgttgacga agcttctaag aacgaattaa 1140

319

agaaaatttt cgcttcttac gataagacct tgtagttgc cgactcaaga agaattggaac 1200
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<210> 314
 <211> 142
 <212> PRT
 <213> Candida albicans

<400> 314
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 Ala Val Ala His Val Lys Ala Gly Lys Gly Leu Ile Lys Ile Asn Gly
 20 25 30
 Ser Pro Ile Thr Leu Val Gln Pro Glu Ile Leu Arg Phe Lys Val Tyr
 35 40 45
 Glu Pro Leu Thr Leu Val Gly Leu Asp Lys Phe Gln Gly Ile Asp Ile
 50 55 60
 Arg Val Lys Val Thr Gly Gly Gly His Val Ser Gln Val Tyr Ala Ile
 65 70 75 80
 Arg Gln Ala Ile Ala Lys Gly Leu Val Ala Tyr His Gln Lys Tyr Val
 85 90 95
 Asp Glu Ala Ser Lys Asn Glu Leu Lys Lys Ile Phe Ala Ser Tyr Asp
 100 105 110
 Lys Thr Leu Leu Val Ala Asp Ser Arg Arg Met Glu Pro Lys Lys Phe
 115 120 125
 Gly Gly Arg Gly Ala Arg Ala Arg Phe Gln Lys Ser Tyr Arg
 130 135 140

<210> 315
 <211> 959
 <212> DNA
 <213> Candida albicans

<400> 315
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320

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<210> 316

<211> 152

<212> PRT

<213> *Candida albicans*

<400> 316

Met Ala Ser His Ala Ser Cys Ile Phe Cys Lys Ile Ile Lys Gly Glu
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 Ile Pro Ser Phe Lys Leu Ile Glu Thr Ala Lys Thr Tyr Ser Phe Leu
 20 25 30
 Asp Ile Gln Pro Ile Ala Glu Ala His Val Leu Ile Ile Pro Lys His
 35 40 45
 His Gly Ala Lys Leu His Asn Ile Pro Asp Asp Tyr Leu Ser Asp Ile
 50 55 60
 Leu Pro Val Val Lys Lys Leu Thr Lys Val Leu Lys Leu Asp Glu Asn
 65 70 75 80
 Asn Thr Pro Glu Gly Glu Gly Tyr Asn Val Leu Gln Asn Asn Gly Arg
 85 90 95
 Ile Ala His Gln Val Val Asp His Val His Phe His Leu Ile Pro Lys
 100 105 110
 Lys Asp Glu Ala Thr Gly Leu Gly Val Gly Trp Pro Ala Glu Ala Thr
 115 120 125
 Asp Phe Asp Lys Leu Gly Lys Leu His Glu Lys Leu Lys Glu Glu Leu
 130 135 140
 Ala Lys Val Asp Asn Glu Lys Leu
 145 150

<210> 317

<211> 297

<212> DNA

<213> *Candida albicans*

<400> 317

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321

<210> 318
 <211> 25
 <212> PRT
 <213> Candida albicans

<400> 318
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 Arg Arg Lys Val Arg Ala Arg Ser Lys
 20 25

<210> 319
 <211> 1303
 <212> DNA
 <213> Candida albicans

<400> 319
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 taaaacatat tttttttccg tattaacaaa tatgtgtgaa gttttgtcct ggtgttttct 300
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 aaaaaaaccc atacaaaaat ttttcagtat caaggaatta gaagagacgt tttaatcaac 480
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 atgggataag aattaaagta ttggatgagt agtacaagac caacaaagag aaatagcccc 660
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<210> 320
 <211> 120
 <212> PRT
 <213> Candida albicans

<400> 320
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 Leu Glu Ser Gln Leu Val Glu Leu Lys Gln Glu Leu Ala Thr Leu Lys
 20 25 30
 Val Gln Lys Leu Gln Arg Pro Ser Leu Pro Arg Ile His Thr Val Arg

322

35	40	45
Lys Asn Ile Ala Arg Val Leu Thr Val Ile Asn Leu Asn Gln Arg Glu		
50	55	60
Asn Val Arg Ala Phe Tyr Ala Gly Lys Lys Tyr Ile Pro Lys Asp Leu		
65	70	75 80
Arg Ala Lys Lys Thr Arg Ala Leu Arg Arg Lys Leu Thr Lys Phe Glu		
	85 90	95
Ala Ser Gln Glu Thr Glu Lys Ala Arg Lys Gln Arg Ile Ala Phe Pro		
100	105	110
Gln Arg Lys Phe Ala Ile Lys Ala		
115	120	

<210> 321
 <211> 2690
 <212> DNA
 <213> Candida albicans

<400> 321

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323

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acaataataa caatcatggg aatagcaatg gtaacacccat acatggtcgt tcccattata 2100
acaatagtgt tccatttaga gcaggtgact ggaaatgtga aaattgcatg tatcacaatt 2160
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<210> 322

<211> 729

<212> PRT

<213> Candida albicans

<400> 322

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Met Ser Asp Ile Tyr Ile Ile Ile His Ile Ser Thr Thr Cys Asp Asp
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Ser Pro Thr Phe Val Thr Lys Asp Ser Ser Glu Leu Ile Glu Phe Ala
          20             25             30

Trp Glu Thr Val Asp Ser Val Thr Leu Glu Thr Leu Tyr Lys Gly Ser
          35             40             45

Asn Leu Val Arg Pro Thr Asn Thr Pro Ile Thr Pro Tyr Cys Ser Lys
          50             55             60

Ile His Arg Ile Thr Trp Asp Asn Val Lys Asn Ala Gly Ser Phe Lys
          65             70             75             80

Asp Ala Ile Thr Asn Phe Asp Gln Tyr Val Gln Glu His Ile Ile Ser
          85             90             95

Lys Lys Lys Glu Phe Ser Ile Val Met Phe Asp Ile Ser Lys Leu Arg
          100            105            110

Val Gln Leu Val Arg Glu Ala Arg Asp Lys Ser Val Val Leu Pro Ser
          115            120            125

Tyr Leu Gln His Pro Arg Ile Phe Asp Leu Pro Arg Glu Tyr Leu Asn
          130            135            140

Trp Gln Ser Ser His Pro Glu Thr Leu Ser Tyr Pro Pro Thr Ser Leu
          145            150            155            160

Thr Asn Ile Ile Thr Ala Leu Glu Val Glu Val Glu Asn Ile Ser Glu
          165            170            175

Tyr Val Asp Leu Pro Asn Phe Ser Ser Thr Pro Ser Pro Ser Lys Ala
          180            185            190

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Ser Ala Thr Thr Thr Thr Thr Thr Ala Asn Val Thr Ala Ile Asp Val
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 Leu Ser Ser Glu Thr Glu Pro Asn Gly Lys Val Ile Ala Asn Leu His
 210 215 220
 Ala Lys Ile Ala Lys Gln Leu Ile Lys Lys Ser Ile Pro Val Glu Asn
 225 230 235 240
 His Pro Asn Val Phe Thr Arg Pro Phe Asp Ser Ala Gln Asp Ile Thr
 245 250 255
 Ala Phe Thr Ser Glu Arg Ser Lys Val Leu Tyr Leu Ser Asn Leu Pro
 260 265 270
 Asn Asp Thr Thr Gln Ser Glu Leu Glu Ser Trp Phe Thr Gln Tyr Gly
 275 280 285
 Gly Arg Pro Gly Gly Phe Trp Thr Phe Lys Ser Ala Asp Asp Asn Asn
 290 295 300
 Asn Asn Asn Asn Asn Asn Ser Asn Gly Gly Lys Gly Tyr Gln Asn Ala
 305 310 315 320
 Arg Lys Tyr Gly Ile Ser Gly Phe Val Ala Phe Asn Thr His Glu Glu
 325 330 335
 Ala Val Asp Cys Leu Ala Leu Asn Gly Arg Val Leu Asn Asp Arg Pro
 340 345 350
 Ile Glu Val Gln Ala Ser Ser Ser Lys Val Phe Asp Met Ala Met Asp
 355 360 365
 Lys Leu Leu Leu Thr Ser Phe Pro Leu Ser Lys Asn Arg Pro Arg Pro
 370 375 380
 Gly Asp Trp Thr Cys Leu Ser Cys Gly Phe Ser Asn Phe Gln Arg Arg
 385 390 395 400
 Thr His Cys Phe Arg Cys Ser Phe Ala Ala Val Ala Phe Gln Asp Val
 405 410 415
 Phe Asn Ser Asn Thr Gly Asn Ala Asn Gly Asn Gly Asn Val Ser Gly
 420 425 430
 Asn His Asn His Asn His Asn Ser Gly Ala Arg Arg Gly Met Asn Leu
 435 440 445
 Gln Pro Ala Gln Ala Asn Glu Lys Ile Gly Thr Gly Asn Ile Ser Ile
 450 455 460
 Pro Ser Tyr Asn Asp Pro Ile Lys Gly Pro Thr Gly Asn Val Thr Asn
 465 470 475 480
 His Leu Asn Asn Ser Glu Thr Asn Leu Ser Asn Asn Thr Asn Leu Asn
 485 490 495

325

Asn Asn Asn His His Ser Asn Asn Tyr His Asn Asn Tyr His His His
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Asn Asn Asn Asn Asn Asn His Gly Asn Ser Asn Gly Asn Thr Ile His
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Gly Arg Ser His Tyr Asn Asn Ser Val Pro Phe Arg Ala Gly Asp Trp
 530 535 540

Lys Cys Glu Asn Cys Met Tyr His Asn Phe Ala Lys Asn Leu Cys Cys
 545 550 555 560

Leu Lys Cys Gly Val Ala Lys Pro Ala Ile Asn Asn Gln Gln Asn Asn
 565 570 575

Thr Ile His Ser Val Asn Ser Thr Ala Ala Ala Ile Ala Ala Ala Thr
 580 585 590

Ala Ser Gly Gln Pro Leu Asn Leu Asn Asn Asn Ala Phe Leu Asn Leu
 595 600 605

Gln Gln Gln Gln Ser Gln Ser Gln Pro Gln Gly Gln His His Tyr Asn
 610 615 620

Gln His Ser Arg Asn Asn Asn Ala Ser Gly Ala Ser Lys Phe Asn Asn
 625 630 635 640

Gly Tyr Asn Pro Lys Asn Gln Tyr Tyr Asn Asn Asn Ser Lys Asn Leu
 645 650 655

Ser Asn Asn Phe Gly Leu Asn Gly Met His Gln Gln Asn Gln Asn Gln
 660 665 670

Ile Leu Met Tyr Ser Gln Gln Leu Gln Gln Gln Gln Gln Gln Gln
 675 680 685

Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
 690 695 700

Gln Gln Gln Gln Gln Gln His Asp Leu Asn Gly Ser Ser Ser Ser His
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Gln Ser Lys Leu Gln Leu Asn Asn Thr
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<210> 323

<211> 3359

<212> DNA

<213> Candida albicans

<400> 323

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<210> 324

<211> 952

<212> PRT

<213> Candida albicans

<400> 324

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Asp	Val	Lys 35	Val	Asp	Thr	Met	Lys 40	Lys	Ile	Leu	Ile	Thr 45	Ile	Leu	Asn
Gly	Asp 50	Pro	Leu	Pro	Asp	Leu 55	Leu	Met	His	Ile	Ile 60	Arg	Phe	Val	Met
Pro 65	Ser	Arg	Asn	Lys	Glu 70	Leu	Lys	Lys	Leu	Leu 75	Tyr	His	Tyr	Trp	Glu 80
Val	Cys	Pro	Lys	Met 85	Asp	Glu	Ser	Gly	Lys 90	Met	Arg	His	Glu	Met 95	Ile
Leu	Val	Cys	Asn 100	Ala	Ile	Gln	Arg	Asp 105	Leu	Gln	His	Pro	Asn 110	Glu	Tyr
Ile	Arg	Gly 115	Asn	Thr	Leu	Arg	Tyr 120	Leu	Thr	Lys	Leu 125	Lys	Glu	Pro	Glu
Leu 130	Leu	Glu	Thr	Leu	Val	Pro 135	Asn	Val	Arg	Gln	Cys 140	Leu	Glu	His	Arg
His 145	Ala	Tyr	Val	Arg 150	Lys	Asn	Ala	Val	Phe 155	Ala	Leu	Trp	Ser	Ile	His 160
Lys	Val	Ser	Asp	His 165	Leu	Ala	Pro	Asp 170	Ala	Asp	Glu	Leu	Ile	Tyr 175	Arg
Phe	Leu	Tyr	Glu 180	Glu	Asn	Asp	Ser	Val 185	Cys	Lys	Arg	Asn	Ala 190	Phe	Val
Cys	Leu	Gly 195	Asp	Leu	Asn	Arg	Glu 200	Ala	Ala	Leu	Gln 205	Tyr	Ile	Gln	Asp
Asn 210	Ile	Ser	Val	Ile	Glu	Thr 215	Leu	Asp	Pro	Leu	Ile 220	Gln	Leu	Ala	Phe
Ile 225	Glu	Phe	Ile	Lys 230	Lys	Asp	Ser	Ile	Gln 235	Asn	Pro	Ala	Leu	Lys	Gln 240
Gln	Tyr	Ala	Gln 245	Leu	Met	Thr	Glu	Ile	Ile 250	Glu	Ser	Ser	Ser	Asn 255	Val
Val	Met	Tyr	Glu 260	Ala	Ala	Asn	Thr 265	Leu	Thr	Val	Leu	Thr 270	Ser	Asn	Pro
Gln	Ser	Ile 275	Leu	Leu	Ala	Gly	Asn 280	Lys	Phe	Val	Glu	Leu 285	Ala	Thr	Arg

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 Asp Ser Ile Ala Asp Leu Asn Thr Thr Ala Ala Tyr Glu Val Ile Thr
 405 410 415
 Phe Val Lys Glu Val Val Glu Lys Phe Pro Asp Leu Arg Asp Ala Ile
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 Leu Arg Arg Leu Ile Leu Ala Leu Pro His Val Lys Ser Gly Lys Val
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 Phe Arg Gly Ala Leu Trp Val Ile Gly Glu Tyr Ala Leu Glu Glu Ser
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 Leu Ile Gln Glu Ser Trp Lys Tyr Ile Arg Gly Ser Ile Gly Glu Val
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 Pro Ile Ile Ala Ser Glu Leu Lys Ser Lys Lys Arg Asp Asp Thr Glu
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 Glu Ser Gln Glu Glu Glu Thr Glu Tyr Asp Gly Lys Pro Arg Arg Lys
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 Ser Thr Leu Val Lys Leu Ile Leu Arg Leu Gln Ser Leu Lys Gln Thr
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 580 585 590

Val Ser Ile Leu Arg Val Gly Glu Ser Ser Leu Val Ser Lys Lys Ile
 595 600 605
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 625 630 635 640
 Lys Asp Ala Phe Lys Ala Gln Ile Asn Asn Ala Glu Leu Lys Lys Ala
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 Asn Asp Val His Val Asp Ile Met Asp Tyr Ile Lys Pro Ala Thr Cys
 820 825 830
 Ser Glu Ser Gln Phe Arg Lys Met Trp Asn Glu Phe Glu Trp Glu Asn
 835 840 845
 Lys Ile Thr Ile Lys Ser Pro Ile Glu Thr Leu Lys Glu Tyr Leu Asp
 850 855 860
 Glu Leu Met Lys Gly Thr Asn Met Gln Cys Leu Thr Pro Gly Ala Val
 865 870 875 880
 Ile Gly Glu Glu Cys Gln Phe Leu Ser Ala Asn Leu Tyr Ser Arg Ser
 885 890 895

330

Ser Phe Gly Glu Asp Ala Leu Ala Asn Leu Cys Ile Glu Lys Gln Ser
 900 905 910

Asp Gly Pro Ile Ile Gly His Val Arg Ile Arg Ser Lys Gly Gln Gly
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Leu Ala Leu Ser Leu Gly Asp Arg Val Ala Ser Ile Ser Arg Lys Gly
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Lys Lys Ala Thr Ile Ala Arg Val
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 <212> DNA
 <213> Candida albicans

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 atcgggatca atctgaattg tttcccgat tgtttaaaac caaagaaaaa ggataatcaa 240
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2270

<210> 326

<211> 589

<212> PRT

<213> Candida albicans

<400> 326

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35 40 45

Leu Ala Arg Asp Ile Phe Val Gly Tyr Val Val Tyr Thr Gln Leu Leu
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Lys Leu Tyr Arg Val Leu Arg Gly Tyr Gly Ile Val Asp Ser Ile Arg
65 70 75 80

Arg Leu Tyr Leu Tyr Val Ser Ser Thr Val Ser Ser Gln Ile Phe Ser
85 90 95

Leu Pro Phe Ile Lys Ser Lys Ile Asp Lys Glu Leu Gln Ala Thr Ile
100 105 110

Gly Lys Val Glu Glu Glu Ile Met Lys Asn Asp Pro Gln Leu Leu Gln
115 120 125

Phe Pro Glu Leu Pro Glu Gln Gly Ile Asp Ala Asp Asn Val Ser Leu
130 135 140

Glu Leu Asp Lys Leu Gln Asn Leu Lys His Ser Asp Trp Ile Asn Gly
145 150 155 160

Arg Val Ser Gly Ala Val Tyr His Gly Gly Glu Asn Leu Leu Ser Leu
165 170 175

Gln Val Glu Ala Tyr Lys Lys Tyr Ser Val Ala Asn Gln Leu His Pro
180 185 190

Asp Val Phe Pro Gly Val Arg Lys Met Glu Ala Glu Val Val His Met
195 200 205

Val Leu Asp Ile Phe Asn Ala Pro Ser Asp Gly Cys Gly Ser Thr Thr
210 215 220

Ser Gly Gly Thr Glu Ser Leu Leu Leu Ala Gly Leu Ser Ala Arg Glu
225 230 235 240

Tyr Gly Lys Lys Tyr Arg Gly Ile Thr Glu Pro Glu Val Ile Ala Pro
245 250 255

Val	Thr	Ile	His	Ala	Gly	Ile	Glu	Lys	Ala	Cys	Phe	Tyr	Phe	Gly	Met	260	265	270
Lys	Leu	His	Lys	Val	Asp	Leu	Asp	Pro	Val	Thr	Phe	Gln	Val	Asp	Val	275	280	285
Lys	Lys	Val	Glu	Arg	Leu	Ile	Asn	Ser	Asn	Thr	Val	Leu	Ile	Cys	Gly	290	295	300
Ser	Ala	Pro	Asn	Tyr	Pro	His	Gly	Ile	Ile	Asp	Asp	Ile	Glu	Ser	Leu	305	310	315
Ser	Lys	Leu	Ala	Val	Lys	Tyr	Asn	Ile	Pro	Leu	His	Val	Asp	Ala	Cys	325	330	335
Leu	Gly	Ser	Phe	Ile	Val	Ser	Phe	Leu	Glu	Lys	Ser	Lys	Val	His	Gly	340	345	350
Asp	Arg	Lys	Leu	Pro	Ile	Phe	Asp	Phe	Arg	Leu	Pro	Gly	Val	Thr	Ser	355	360	365
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Ile	Ile	Met	Tyr	Arg	Ser	Pro	Lys	Leu	Arg	Glu	Cys	Gln	Tyr	Tyr	Ile	385	390	395
Ala	Ser	Asp	Trp	Thr	Gly	Gly	Met	Tyr	Gly	Ser	Pro	Thr	Leu	Ala	Gly	405	410	415
Ser	Arg	Pro	Gly	Ala	Leu	Val	Val	Gly	Cys	Trp	Ala	Thr	Leu	Ile	Asn	420	425	430
Ile	Gly	Lys	Gln	Gly	Tyr	Thr	Lys	Phe	Cys	Tyr	Asp	Ile	Val	Ser	Ala	435	440	445
Ser	Met	Lys	Val	Lys	Arg	Ala	Ile	Glu	Thr	Asp	Pro	Ile	Leu	Ser	Lys	450	455	460
His	Leu	Gln	Ile	Ile	Gly	Asp	Pro	Ile	Gly	Ser	Val	Ile	Ser	Phe	Gln	465	470	475
Leu	Ala	Pro	Gln	Gln	Ser	Gly	Asn	Leu	Ser	Ile	Tyr	Glu	Ile	Ser	Asp	485	490	495
Leu	Leu	Thr	Lys	Lys	Gly	Trp	His	Phe	Ala	Thr	Leu	Gln	Asn	Pro	Ser	500	505	510
Ala	Leu	His	Phe	Ala	Phe	Thr	Arg	Leu	Thr	Val	Pro	Val	Val	Asp	Glu	515	520	525
Leu	Ile	Ala	Asp	Leu	Val	Glu	Ala	Thr	Lys	Glu	Ala	Val	Ala	Ile	Ala	530	535	540
Glu	Glu	His	Lys	Lys	Asn	Gly	Val	Thr	Lys	Ala	Pro	Gly	Asp	Thr	Ala	545	550	555

Ala Leu Tyr Gly Ile Ala Gly Ser Val His Thr Ala Gly Leu Ala Asp
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Arg Leu Ile Val Ala Phe Leu Asp Thr Leu Tyr Lys Ile
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<210> 327

<211> 3605

<212> DNA

<213> Candida albicans

<400> 327

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<210> 328

<211> 1034

<212> PRT

<213> Candida albicans

<400> 328

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Pro Val Gly Leu Lys Leu His Gly Tyr Glu Val Thr Gln Thr Ser Pro
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Ile Pro Glu Phe Ser Leu Thr Ala Val Ser Leu Lys His Thr Glu Ser
          50             55            60

Gly Ala Thr His Leu His Leu Asp Ser Pro Asn Asp Ser Asn Asn Val
          65             70            75            80

Phe Ser Ile Ala Phe Lys Thr Asn Pro Pro Asp Asn Thr Gly Val Pro
          85             90            95

His Ile Leu Glu His Thr Thr Leu Cys Gly Ser Lys Lys Phe Pro Val
          100            105            110

Arg Asp Pro Phe Phe Lys Met Thr Asn Arg Ser Leu Ser Asn Phe Met
          115            120            125

Asn Ala Met Thr Gly His Asp Tyr Thr Phe Tyr Pro Phe Ala Thr Thr
          130            135            140

Asn Ser Lys Asp Phe Glu Asn Leu Met Asp Val Tyr Leu Ser Ser Val
          145            150            155            160

Phe Glu Pro Gln Leu Asn His Thr Asp Phe Leu Gln Glu Gly Trp Arg

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335

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Pro	Ile	Phe	Ser	Thr	Asp	Lys	Ser	Glu	Ile	Phe	Asp	Val	Thr	Ile	Pro
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His	Asn	Ser	Pro	Phe	Tyr	Gln	Glu	Leu	Ile	Glu	Ser	Gly	Tyr	Gly	Asp
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385					390					395					400
Asn	Glu	Lys	Val	Met	Glu	Ile	Ile	Asn	Asn	Lys	Ile	Ile	Pro	Glu	Leu
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Ser	Asn	Glu	Glu	Ser	Ser	Ser	Tyr	His	Gly	Arg	Ile	Asp	Ala	Ile	Leu
			420						425				430		
His	Gln	Ile	Glu	Ile	Gly	Phe	Lys	Arg	His	Lys	Pro	Asp	Phe	Gly	Phe
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Gly	Leu	Leu	Ser	Ser	Ile	Val	Pro	Ser	Trp	Val	Asn	Gly	Val	Asp	Pro
	450					455					460				
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465						470						475						480
Tyr	Lys	Gln	Asn	Gly	Leu	Arg	Ile	Phe	Lys	Glu	Leu	Leu	Glu	Lys	Thr			
				485					490					495				
Leu	Cys	Asn	Pro	His	Ser	Gln	Lys	Phe	Lys	Phe	Thr	Met	Glu	Pro	Arg			
			500					505					510					
Glu	Asp	Phe	Thr	Lys	Gln	Leu	Val	Lys	Asp	Glu	Asn	Leu	Met	Ile	Glu			
		515					520					525						
Lys	Arg	Val	Ser	Glu	Leu	Thr	Glu	Asp	Asn	Lys	Lys	Ala	Ile	Tyr	Glu			
		530				535						540						
Gln	Asn	Leu	Glu	Leu	Ala	Lys	Leu	Gln	Leu	Glu	Asp	Gln	Asn	Thr	Glu			
		545			550					555					560			
Val	Leu	Pro	Thr	Leu	Thr	Ile	Asp	Asp	Ile	Pro	Lys	Arg	Gly	Asp	Phe			
				565				570						575				
Tyr	Ala	Ile	Asp	Leu	Gly	Gln	Val	Asn	Lys	Lys	Val	Val	His	Glu	Arg			
			580					585					590					
Val	Val	Asp	Thr	Asn	Gly	Leu	Val	Tyr	Ala	Asn	Ala	Leu	Lys	Asp	Ile			
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Ser	Tyr	Leu	Pro	Thr	Lys	Leu	Tyr	Lys	Tyr	Leu	Pro	Leu	Phe	Asn	Asn			
		610				615					620							
Cys	Leu	Thr	Asn	Leu	Ala	Gly	Thr	Glu	Asn	Thr	Pro	Ile	Thr	Glu	Leu			
		625			630					635					640			
Glu	Thr	Lys	Ile	Gln	Met	Leu	Thr	Gly	Gly	Ile	Thr	Phe	Ser	Ser	Lys			
				645					650					655				
Ile	Ser	Thr	Asp	Pro	Tyr	Asn	Ile	Glu	Gln	Leu	Lys	Leu	Gln	Tyr	Val			
			660					665					670					
Leu	Ser	Gly	Met	Ala	Leu	Lys	Glu	Lys	Ser	Ser	Ser	Val	Tyr	Asp	Leu			
		675					680					685						
Trp	Leu	Glu	Ile	Leu	Thr	Thr	Thr	Lys	Phe	Asp	Thr	Ser	Asp	Glu	Val			
		690				695					700							
Leu	Glu	Lys	Leu	Ser	Val	Leu	Ile	Lys	Asn	Met	Gly	Gln	Asn	Gln	Ile			
		705			710					715					720			
Asn	Asn	Ile	Ala	Asp	Arg	Gly	His	Ser	Tyr	Ala	Ala	Ala	Val	Ser	Ser			
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Ser	Lys	Leu	Thr	Pro	Ser	Lys	Tyr	Ile	Ser	Asp	Ile	Val	Ser	Gly	Leu			
			740					745					750					
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Gln	Glu	Ile	Ile	Val	Glu	Asn	Glu	Lys	Leu	Ile	Glu	Lys	Phe	Asp	Lys
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865				870					875						880
Ser	Gln	Leu	Tyr	Ser	Phe	Lys	Asn	Leu	His	Ser	Lys	Ile	Arg	Glu	Ser
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945				950						955					960
Pro	Ile	Asn	Ile	Ser	Ser	Gln	Gly	Ala	Ser	Ala	Phe	Phe	Glu	Asn	Ile
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<210> 329

<211> 1366

<212> DNA

<213> Candida albicans

<400> 329

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<210> 330

<211> 145

<212> PRT

<213> *Candida albicans*

<400> 330

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Thr Lys Ile Arg Gly Val Gly Arg Arg Tyr Ala Asn Leu Val Cys Lys
      35              40              45

Lys Ala Asp Val Glu Leu Thr Lys Arg Ala Gly Glu Leu Thr Gln Glu
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Glu Leu Glu Arg Ile Val Thr Ile Met Gln Asn Pro Thr Asn Tyr Lys
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Ile Pro Ala Trp Phe Leu Asn Arg Gln Lys Asp Gln Val Asp Gly Lys
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Asp Tyr His Val Leu Ala Asn Asn Leu Glu Ser Lys Leu Arg Asp Asp
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Leu Glu Arg Leu Lys Lys Ile Arg Ser His Arg Gly Ile Arg His Phe
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130

135

140

Arg
145

<210> 331
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<212> DNA
<213> *Candida albicans*

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<210> 332
<211> 136
<212> PRT
<213> *Candida albicans*

<400> 332
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Thr Lys Ser His Pro Phe Pro His Ala Ile Val Ala Gly Ile Glu Arg
35 40 45
Ala Pro Leu Lys Val Thr Lys Lys Met Asp Ala Lys Lys Val Thr Lys
50 55 60
Arg Thr Lys Val Lys Pro Phe Val Lys Leu Val Asn Tyr Asn His Leu

340

65						70						75				80
Met	Pro	Thr	Arg	Tyr	Ser	Leu	Asp	Val	Glu	Ser	Phe	Lys	Ser	Ala	Val	
				85					90					95		
Thr	Ser	Glu	Ala	Leu	Glu	Glu	Pro	Ser	Gln	Arg	Glu	Glu	Ala	Lys	Lys	
			100					105					110			
Val	Val	Lys	Lys	Ala	Phe	Glu	Glu	Lys	His	Gln	Ala	Gly	Lys	Asn	Lys	
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Trp	Phe	Phe	Gln	Lys	Leu	His	Phe									
	130					135										

<210> 333
 <211> 1157
 <212> DNA
 <213> Candida albicans

<400> 333
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<210> 334
 <211> 218
 <212> PRT
 <213> Candida albicans

<400> 334
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 20 25 30
 Lys Leu Ser Lys Ile Asn Ser Glu Leu Ser Thr Tyr Gln Gln Lys Ile

341

35	40	45
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50	55	60
Ile Lys Leu Leu Arg Gln Arg Lys Gln Ile Glu Ala Gln Lys Asp Gln		
65	70	75
Leu Glu Asn Gln Ser Trp Asn Met Thr Gln Ala Ser Met Thr Thr Asp		
	85	90
Asn Leu Gln Asn Thr Met Val Thr Ile Asn Ala Met Lys Thr Ala Asn		
	100	105
Lys Ser Leu Lys Gln Thr Tyr Gly Lys Ile Asn Ile Asp Glu Leu Glu		
	115	120
Asp Leu Gln Asp Glu Met Leu Asp Leu Ile Asp Lys Ser Asn Glu Leu		
	130	135
Gln Glu Ala Leu Ser Thr Ser Tyr Asp Val Pro Asp Asp Ile Ser Glu		
	145	150
Ser Glu Leu Asp Ala Glu Leu Glu Ala Leu Gly Glu Glu Ile Asp Phe		
	165	170
Glu Asn Glu Met Ala Glu Ser Gly Ile Gly Ala Pro Ser Tyr Leu Asn		
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Asp Thr Glu Pro Thr Ala Ala Asp Lys Leu Pro Thr Phe Ile Asp Glu		
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<210> 335

<211> 4550

<212> DNA

<213> Candida albicans

<400> 335

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caaagataag	acattctcaa	ccgggcccag	aatgtttgat	tcctcatttg	aatggaggta	3900
ttgagtcgtc	tcaaccaatg	tctaaagtcc	gtggtaacaa	ttcaagtggg	catgatgata	3960
gtgttccacc	accaccgcca	gtcaccaagg	tgaataaaaa	accattggat	gataagacga	4020
atttccctcc	accagaagtg	gatccaaaaa	gaaaagggtc	attttttaga	aaactttctt	4080
ggggatccaa	aaaaacatt	gaaaataata	caaacgccgc	cactaatacc	acgactcaac	4140
aaacaattacc	aagtcctgct	gaatcaaaag	aggagaaaac	aaaaagttca	tttttcagat	4200
ggttttcgtc	atctaatact	ccatctgctg	ctgaaattag	aaaattcaac	accattttac	4260

343

```

ctaaacatga aatgtctact gctttatttg ctttattgaa ttcttggtct aattttgggt 4320
tgaaagattt acggaatgat caagttggat attatattac tgggtgctatt tctaaacata 4380
attcttttaa tttaaagagt tgtaaattta gaattaagat taatcaaaga gattttaatc 4440
aaaaatcaga aattgtttgt gttagagtga aaggatctaa agttacaact gatactttat 4500
tttgtgaaat tgaaaaggtc ttactcaaag aagggtggtt agataaataa 4550

```

<210> 336

<211> 1349

<212> PRT

<213> Candida albicans

<400> 336

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Met Pro His Ser Arg Gln Pro Ser Ile Ser Ser Ser Ile Met Ser Gln
  1              5              10              15

Ser Asn His Asn His Pro Gln Lys Ile Gly Pro Trp Lys Leu Gly Lys
          20              25              30

Thr Leu Gly Arg Gly Ala Thr Gly Arg Val Leu Leu Ala Thr His Gln
          35              40              45

Thr Thr Gly Gln Lys Ala Ala Val Lys Val Val Ser Lys Ser Glu Leu
  50              55              60

Gln Asp Glu Glu Thr Glu Lys Asn Gly Asp Gly Leu Pro Tyr Gly Ile
  65              70              75              80

Glu Arg Glu Ile Ile Ile Met Lys Leu Leu Thr His Pro Asn Val Leu
          85              90              95

Arg Leu Tyr Asp Val Trp Glu Thr Ser Lys Ala Leu Tyr Leu Val Leu
          100              105              110

Glu Tyr Val Glu Gly Gly Glu Leu Phe Asp Leu Leu Val Glu Arg Gly
          115              120              125

Pro Leu Pro Glu Val Glu Ala Ile Lys Tyr Phe Arg Gln Ile Ile Leu
          130              135              140

Gly Thr Ala Tyr Cys His Ala Leu Gly Ile Cys His Arg Asp Leu Lys
          145              150              155              160

Pro Glu Asn Leu Leu Leu Asp Ser Gln Leu Asn Val Lys Leu Ala Asp
          165              170              175

Phe Gly Met Ala Ala Leu Glu Ser Asn Gly Lys Leu Leu Glu Thr Ser
          180              185              190

Cys Gly Ser Pro His Tyr Ala Ala Pro Glu Ile Val Ser Gly Leu Lys
          195              200              205

Tyr His Gly Ala Ala Ser Asp Val Trp Ser Cys Gly Val Ile Leu Phe
          210              215              220

Ala Leu Leu Thr Gly Arg Leu Pro Phe Asp Asp Glu Asn Ile Arg Asn
          225              230              235              240

```

Leu Leu Leu Lys Val Gln Ala Gly Asn Phe Glu Met Pro Val Asp Glu
 245 250 255
 Val Ser Arg Glu Ala Arg Asp Leu Ile Ala Arg Met Leu Glu Val Asp
 260 265 270
 Pro Met Arg Arg Ile Ser Thr Glu Lys Ile Leu Arg His Pro Leu Leu
 275 280 285
 Thr Lys Tyr Pro Met Ser Asn Glu Asp Leu Ile Ser Glu Lys Ser Leu
 290 295 300
 Pro His Pro His Thr Gly Tyr Lys Ser Leu Gly Ser Val Arg Asn Ile
 305 310 315 320
 Asp Lys Gln Ile Leu Ser Asn Leu Thr Ile Leu Trp Asn Asp Arg Pro
 325 330 335
 Glu Glu Glu Ile Val Asp Cys Leu Leu Lys Asp Gly Ser Asn Pro Glu
 340 345 350
 Lys Thr Phe Tyr Ala Leu Leu Met Arg Tyr Lys His Asn Gln Asp Asp
 355 360 365
 Asn Thr Asn Asn Asn Ser Pro Lys Lys Ser Thr Ser Phe Asn Asn Lys
 370 375 380
 Val Val Arg Ser Gly Ser Lys Tyr Ser Leu Asn Gly Thr Pro Arg Arg
 385 390 395 400
 Lys Arg Ala Ser His Ile Ser Val Ser Arg Pro Thr Ser Phe Gln Tyr
 405 410 415
 Lys Ser Asn Pro Gly Ala Gly Ala Thr Ala Asn Arg Asn Ser Val Ala
 420 425 430
 Arg His Ser Val Ala Ser Ser Ala Asn Asn Ser Pro Arg Lys Ser Pro
 435 440 445
 Tyr Lys Ser Pro Tyr Arg Ser Pro Tyr Arg Ser Pro Tyr Lys Ser Pro
 450 455 460
 Ser Lys Arg Tyr Ser Tyr Asn Gln Ser Pro Thr Lys Ser Pro Tyr Gly
 465 470 475 480
 Arg Arg Ser Asn Ser Gln Arg Gln Phe Glu Asn Glu Pro Leu Lys Ala
 485 490 495
 Lys Pro Arg Asn Ile Tyr Asn Glu Ile Val Asp Ala Gln Ser Asn Phe
 500 505 510
 Ser Leu Pro Pro Ser Leu Pro Pro Ser Leu Pro Ser Lys Asp Ser Arg
 515 520 525
 Tyr Met Ile Asp Glu Pro Asn Gln Pro Gln Leu Gln Gln Pro Ala Leu
 530 535 540

Ser	Gln	Val	Pro	Glu	Asn	Pro	Ile	Val	Asp	Glu	Ser	Pro	Asp	Leu	Met	545	550	555	560
Gln	Ser	Ala	Lys	Ile	Ser	Ser	Gly	Lys	Arg	Asn	Ser	Ile	Ile	Gly	Lys	565	570	575	
Asn	Asn	Asn	Asn	Ser	Asn	Ser	Asn	Lys	Arg	Met	Ser	Lys	Arg	Lys	Ser	580	585	590	
Ile	Arg	Ala	Ser	Met	Thr	Thr	Gly	Leu	Lys	Arg	Asn	Ser	Ile	Thr	Met	595	600	605	
Lys	Leu	Leu	Ser	Thr	Tyr	Ala	Lys	Leu	Ser	Gly	Asp	Asp	Asp	Trp	Glu	610	615	620	
Tyr	Met	Asp	Lys	Gln	Thr	Lys	Arg	Thr	Ser	Ala	Thr	Phe	Ala	Ala	Leu	625	630	635	640
Cys	Asp	Lys	Ile	Phe	Asn	Gln	Glu	Asp	Tyr	Asp	Glu	Glu	Asp	Glu	Gln	645	650	655	
Leu	Val	Asp	Pro	Glu	Glu	Lys	Glu	Ala	Lys	Glu	Tyr	Glu	Arg	Leu	Met	660	665	670	
Glu	Leu	Glu	Arg	Lys	Lys	His	Glu	Ala	Glu	Leu	Lys	Ala	Arg	Arg	Glu	675	680	685	
Leu	Glu	Lys	Lys	Lys	Arg	Arg	Gln	Lys	Arg	Arg	Ser	Ile	Leu	Ser	Ser	690	695	700	
Lys	Lys	Leu	Ser	Ile	Ile	Val	Lys	Asn	Asp	Ala	Asp	Pro	Asn	Asn	Ser	705	710	715	720
Glu	Gln	Glu	Leu	Val	Asp	Glu	Gly	Ile	Lys	Gln	Pro	Lys	Arg	Gln	Ser	725	730	735	
Lys	Asn	Leu	Thr	Ala	Leu	Arg	Ala	Leu	Ser	Glu	Gly	Asn	His	Ala	Ser	740	745	750	
Glu	Glu	Leu	Thr	Leu	Glu	Asp	Val	Glu	Asn	Leu	Lys	Arg	Arg	Ser	Ala	755	760	765	
Ser	Gln	Pro	Val	Pro	Lys	Arg	Arg	Gln	Thr	Pro	Val	Leu	Thr	Arg	Arg	770	775	780	
Pro	Val	Ser	Arg	Leu	Asp	Pro	Leu	Trp	Gln	Ala	His	Glu	Asn	Glu	Gln	785	790	795	800
Leu	Asp	Arg	Ala	Lys	Asp	Ala	Leu	Glu	Gln	Glu	Trp	Arg	Asp	Ser	Gln	805	810	815	
Lys	Arg	Ser	Ser	Thr	Val	Ser	Arg	Lys	Lys	Val	Asn	Arg	Glu	Ser	Met	820	825	830	
Ile	Ser	Val	Met	Asp	Asp	Ile	Val	Glu	Glu	Asp	Gln	Gly	Arg	Val	Asn	835	840	845	

Arg Arg Ser Thr Arg Asn Thr Tyr Tyr Glu Arg Glu Arg Asp Tyr Glu
 850 855 860
 Leu Pro Glu Pro Thr Val Glu Asp Ser Asn Leu Thr Asp Asp Tyr Met
 865 870 875 880
 Thr Glu Ile Arg Lys Ser Arg Leu Leu Asn Ser Gln Leu Asn Val Arg
 885 890 895
 Asp Pro Leu Asn Glu Lys Arg Lys Ser Glu Pro Lys Thr Leu Ile Ser
 900 905 910
 Asn Val Gln Ile Pro Ser Val Thr Arg Lys Ser Arg Asn Phe Thr Thr
 915 920 925
 Ser Asn Lys Arg Leu Ser Val Leu Ser Met Tyr Ser Thr Lys Glu Ser
 930 935 940
 Tyr Arg Asp Leu Asn Ser Ile Ile Asn Ser Pro Asp Glu Asn Pro Glu
 945 950 955 960
 Gln His Gln Asn Met Asn Lys Pro Ala Leu Arg Thr Ser Ile Ala Asp
 965 970 975
 Arg Leu Asp Lys Ala Gly Leu Ala Glu Pro Glu Tyr Glu Thr Glu Thr
 980 985 990
 Asp Gly Glu Asp Lys Val Ser Val Ile Asp Leu Asp Asp His Leu Ala
 995 1000 1005
 Asp Arg Arg Thr Ser Tyr Tyr Asp Gly Ser Gly Lys Arg Ala Ser Arg
 1010 1015 1020
 Ala Ser Thr Thr Lys Arg Tyr Asn Val His Ser Ser Ser Glu Lys Arg
 1025 1030 1035 1040
 Pro Lys Ser Lys Val Pro Asp Leu Pro Lys Asn Asp Tyr Asp Asp Thr
 1045 1050 1055
 Phe Val Ser Asn Ser Asp Glu Val His Lys Arg Gln Tyr Lys Ser Met
 1060 1065 1070
 Val Ser Asp Glu Ser Ser Ala Ser Asp Asp Val Phe Asp Lys Ile Lys
 1075 1080 1085
 Leu Pro Asp Gly Lys Ser Thr Lys Ser Ser Ile Asp Glu Leu Ala Asn
 1090 1095 1100
 Gly Thr Ser Thr Ser Gly His Arg Lys Pro Lys Ile Arg His Ser Gln
 1105 1110 1115 1120
 Pro Gly Pro Glu Met Leu Ile Pro His Leu Asn Gly Gly Ile Glu Ser
 1125 1130 1135
 Ser Gln Pro Met Ser Lys Val Arg Gly Asn Asn Ser Ser Gly His Asp
 1140 1145 1150

347

Asp Ser Val Pro Pro Pro Pro Pro Ala His Lys Val Asn Lys Lys Pro
 1155 1160 1165
 Leu Asp Asp Lys Thr Asn Phe Pro Pro Pro Glu Val Asp Pro Lys Arg
 1170 1175 1180
 Lys Gly Ser Phe Phe Arg Lys Leu Ser Trp Gly Ser Lys Lys Thr Ile
 1185 1190 1195 1200
 Glu Asn Asn Thr Asn Ala Ala Thr Asn Thr Thr Thr Gln Gln Gln Leu
 1205 1210 1215
 Pro Ser Pro Ala Glu Ser Lys Glu Glu Lys Pro Lys Ser Ser Phe Phe
 1220 1225 1230
 Arg Trp Phe Ser Ser Ser Asn Thr Pro Ser Ala Ala Glu Ile Arg Lys
 1235 1240 1245
 Phe Asn Thr Ile Leu Pro Lys His Glu Met Ser Thr Ala Leu Phe Ala
 1250 1255 1260
 Leu Leu Asn Ser Trp Ser Asn Phe Gly Leu Lys Asp Leu Arg Asn Asp
 1265 1270 1275 1280
 Gln Val Gly Tyr Tyr Ile Thr Gly Ala Ile Ser Lys His Asn Ser Phe
 1285 1290 1295
 Asn Leu Lys Ser Cys Lys Phe Arg Ile Lys Ile Asn Gln Arg Asp Phe
 1300 1305 1310
 Asn Gln Lys Ser Glu Ile Val Cys Val Arg Val Lys Gly Ser Lys Val
 1315 1320 1325
 Thr Thr Asp Thr Leu Phe Cys Glu Ile Glu Lys Val Leu Leu Lys Glu
 1330 1335 1340
 Gly Gly Leu Asp Lys
 1345

<210> 337

<211> 1121

<212> DNA

<213> Candida albicans

<400> 337

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acaatactag gcactgttga gtgagtgagc attttttctg tttctcactc agttaacaaa 60
ataaaaaaaaa ttttcataat ttagaagttt catttacagt cttttttcaa ttaacagtga 120
tacaagagtg tatgtaaaga caacatgtac tagcaactat aatatgattt accaatgatt 180
gggatcacaa taaatgtggt aatatgaatg agagaaggat agtgaataag agattacgaa 240
agaatagatt caacaagttc agaatggtat acaactaaaa tggaattatt ttcaaatatg 300
caactatcat tatgactact acgacaacaa ttttaatcga gagaagatca ttagatcaag 360
agttgggaaa ctaataccaa ggaaatatca ttaagaatta atagctttgc aaaaattggt 420
tttactcata ttatttggtt tagttggaaa gcgattacat catggaacaa agtttactaa 480
caacattggt ataggtaaaa atgggtattt ctagagattc acgtcacaaa agatccgcca 540

```

```

ctgggtgccaa aagagcccaa ttcagaaaga agagaaagtt tgaattaggt agacaaccag 600
ccaacaccaa gattgggtcca aaaagaattc actctgtcag aaccagaggt ggtaacccaa 660
aattcagagc tttgagagtt gaaaccggta acttctcttg gggttccgaa ggtgtttcca 720
gaaaaaccag aattgctggg gtcgtttacc atccatctaa taacgaattg gttagaacca 780
acaccttgac caaatctgct gttgttcaaa ttgatgctac tccattcaga caatggtacg 840
aaaaccacta cgggtgctact ttaggtaaaa agaaggggtg tgctcatgct gctcacgctg 900
ctgaagttgc cgatgccaaag agatcaagaa aagtcgaaag aaaattggct gctagatctg 960
gtgctgctgc cattgaatcc gctgttgact ctcaattcgg ttctggtaga ttatacgctg 1020
tcatttcttc aagaccaggt caatctggta gatgtgatgg ttacatcttg gaaggtgaag 1080
aattagcctt ctacttgaga agattaactg ctaagaaata a 1121

```

<210> 338

<211> 206

<212> PRT

<213> Candida albicans

<400> 338

```

Met Gly Ile Ser Arg Asp Ser Arg His Lys Arg Ser Ala Thr Gly Ala
  1             5             10             15

Lys Arg Ala Gln Phe Arg Lys Lys Arg Lys Phe Glu Leu Gly Arg Gln
      20             25             30

Pro Ala Asn Thr Lys Ile Gly Pro Lys Arg Ile His Ser Val Arg Thr
      35             40             45

Arg Gly Gly Asn Gln Lys Phe Arg Ala Leu Arg Val Glu Thr Gly Asn
      50             55             60

Phe Ser Trp Gly Ser Glu Gly Val Ser Arg Lys Thr Arg Ile Ala Gly
      65             70             75             80

Val Val Tyr His Pro Ser Asn Asn Glu Leu Val Arg Thr Asn Thr Leu
      85             90             95

Thr Lys Ser Ala Val Val Gln Ile Asp Ala Thr Pro Phe Arg Gln Trp
     100             105             110

Tyr Glu Asn His Tyr Gly Ala Thr Leu Gly Lys Lys Lys Gly Gly Ala
     115             120             125

His Ala Ala His Ala Ala Glu Val Ala Asp Ala Lys Arg Ser Arg Lys
     130             135             140

Val Glu Arg Lys Leu Ala Ala Arg Ser Gly Ala Ala Ala Ile Glu Ser
     145             150             155             160

Ala Val Asp Ser Gln Phe Gly Ser Gly Arg Leu Tyr Ala Val Ile Ser
     165             170             175

Ser Arg Pro Gly Gln Ser Gly Arg Cys Asp Gly Tyr Ile Leu Glu Gly
     180             185             190

Glu Glu Leu Ala Phe Tyr Leu Arg Arg Leu Thr Ala Lys Lys
     195             200             205

```

349

<210> 339
 <211> 819
 <212> DNA
 <213> *Candida albicans*

<400> 339
 ttctcctgtg aaaagtttcg agatgtaacg tttcgcagta atagagagcc agaatccatt 60
 tttgtgtact acagacaaat tcagaagttt caactgctgc atatcgcctt aaatgactgt 120
 agcattcgtc caaattgaga ccctcaatta cattttgtca aaaaaattgg tccctagtgt 180
 tgctatcgat aacgaagggtg aaggcagttt agcttggaga catttagaga acttagttac 240
 atctcatctt ccgtttcgag aaatcgttga tttaccgtgc agcgcttata ttgattgcta 300
 cttgttccca gcaccacagc aatatagcaa tcataaataa attgccccgc ggttgacagt 360
 gtatatcttc gaggaatggc aacctttgcc cccctctcga aaaacaatat aaatagagtc 420
 aatttctcta gtagaggtaa attccttgaa tcttggtttt tttcgacata caccataaat 480
 cccatagaaa actgcaaaat gtctgacgcc ggaagaaaaa acattttctac taaaatcaac 540
 gaagctataa cccccgaatc cgaaaagtct accttggaaa agggcaagga acaagtcacc 600
 agtacccttg acaaagctgt tggctcaa atgtccagata accaaaaatc tttcactcaa 660
 actgttgacg acagcgtgca acaaggttcc gataatgcta aagctgattt gaagaaacaa 720
 tccgaacaag cagagggcga acaaagacct ttgctgaaac agctcaagaa tatgtcgagg 780
 ttgccaaaac tgaaattgga aaggctgctg aatactgta 819

<210> 340
 <211> 106
 <212> PRT
 <213> *Candida albicans*

<400> 340
 Met Ser Asp Ala Gly Arg Lys Asn Ile Ser Thr Lys Ile Asn Glu Ala
 1 5 10 15
 Ile Thr Pro Glu Ser Glu Lys Ser Thr Leu Glu Lys Gly Lys Glu Gln
 20 25 30
 Val Thr Ser Thr Leu Asp Lys Ala Val Gly Ser Asn Val Pro Asp Asn
 35 40 45
 Gln Lys Ser Phe Thr Gln Thr Val Ala Asp Ser Val Gln Gln Gly Ser
 50 55 60
 Asp Asn Ala Lys Ala Asp Leu Lys Lys Gln Ser Glu Gln Ala Glu Gly
 65 70 75 80
 Glu Gln Arg Pro Leu Ser Lys Gln Leu Lys Asn Met Ser Arg Leu Pro
 85 90 95
 Lys Ser Lys Leu Glu Arg Ser Ser Asn Thr
 100 105

<210> 341
 <211> 884
 <212> DNA
 <213> *Candida albicans*

350

<400> 341

```

ccttctcctg tgaaaagttt cgagatgtaa cgtttcgcag taatagagag ccagaatcca 60
tttttgtgta ctacagacaa attcagaagt ttcaactgct gcatatcgcc ttaaatgact 120
gtagcattcg tccaaattga gaccctcaat tacattttgt caaaaaaatt ggtccctagt 180
gttgctatcg ataacgaagg tgaaggcagt ttagcttgga ggcatttaga gaacttagtt 240
acatctcatc ttccgtttcg agaaatcggt gatttaccgt gcagcgctta tattgattgc 300
tacttgttcc cagcaccaca gcaatatagc aatcataaat aaattgcccc gcggttgaca 360
gtgtatatct tcgaggaatg gcaacctttg cccccctctc gaaaaacaat ataaatagag 420
tcaatttctc tagtagaggt aaattctttg aatcttgttt tttttcgaca aacaccataa 480
atcccataga aaactgcaaa atgtctgacg ccggaagaaa aaacatttct actaaaatca 540
acgaagctat aacccccgaa tccgaaaagt ctaccttgga aaagggaag gaacaagtca 600
ccagtaccct tgacaaagct gttggctcaa atgttccaga taacaaaaaa tctttcactc 660
aaactgttgc agacaacgtg caacaagggt ccgataatgc taaagctgat ttgaagaaac 720
aatccgaaca agcagagggc gaagcaaaga cccttgctga aacagctcaa gaatatgtcg 780
aggttgcaa aactgaaatt ggaaaggctg ctgaatacgt gagtggagtt gtcaccggtg 840
ctaccgaagg tgccaaaacc ggcgctgata gtactaaaaa atag 884

```

<210> 342

<211> 127

<212> PRT

<213> *Candida albicans*

<400> 342

```

Met Ser Asp Ala Gly Arg Lys Asn Ile Ser Thr Lys Ile Asn Glu Ala
 1             5             10            15
Ile Thr Pro Glu Ser Glu Lys Ser Thr Leu Glu Lys Gly Lys Glu Gln
          20             25             30
Val Thr Ser Thr Leu Asp Lys Ala Val Gly Ser Asn Val Pro Asp Asn
      35             40             45
Gln Lys Ser Phe Thr Gln Thr Val Ala Asp Asn Val Gln Gln Gly Ser
      50             55             60
Asp Asn Ala Lys Ala Asp Leu Lys Lys Gln Ser Glu Gln Ala Glu Gly
      65             70             75             80
Glu Ala Lys Thr Leu Ala Glu Thr Ala Gln Glu Tyr Val Glu Val Ala
          85             90             95
Lys Thr Glu Ile Gly Lys Ala Ala Glu Tyr Val Ser Gly Val Val Thr
      100            105            110
Gly Ala Thr Glu Gly Ala Lys Thr Gly Ala Asp Ser Thr Lys Lys
      115            120            125

```

<210> 343

<211> 1244

<212> DNA

<213> *Candida albicans*

<400> 343

351

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gaagggcacc ataatgaaat cgactcactt caggattata atggtatgaa acattgtact 60
tgttattagt gccaggatga ttaggatcat atattggggt gttttctcga gtcttggtat 120
cggttgtaaa cgtatctgtt tcacttatca gtatcgtcac ttatattaac tactttttctc 180
ctatgggttat atattggtaa acaaagaaac aaaacaacaa aaaagaagta gtagttttga 240
aaattgtcaa taaaagaaac aaagaatgaa agaattgattg aatgaaagaa aaaaaaata 300
tgaaagtgag tgcgacataa tgtagaaaaa tgtcgaatgt cttgaacttt acccattgag 360
tagttgttgt agtgtaggag gaagaaaaca acagaaaagaa agagagaaaag aaaaatttcg 420
ccactacaaa tattcaacaa gtttcatata gtaatatataat cccaattgat cattacttta 480
ttccacacaa ttcataaaca atgtccaatt cagcagggttt tgatagacac atcactattt 540
tttctcctga aggtagatta taccaagtag aatatgcttt taaagctatc aattcagcaa 600
atatcaccag tttaggaatc acagggtcaag attctgccgt tattatatca caaaagaaga 660
tcccagataa gttattagat cctaaaaccg tgtcatatat ttttaaaatc actcctagta 720
taggaatggt tgccactgga tcaattgctg atgctagagc tcaagccatg agagcaagat 780
ctgaagctac agaatttaga tataaatatg gttacgaaat gccggtggaa agtttatcaa 840
gaagaatggc gaatatatct caattgtata ctcaaagagc ttatatgaga ccattgggtg 900
ttgctttaac ttttattcaa gttgattttg ctgatgaagg tagagggtcca caaattttta 960
aatgtgatcc tgctggatat ttcactgggg tgaaagccgt ggccactggt ccaaaacaac 1020
aagaagcaac gacttattta gagaaaaaat tcaaaaaaac cgatgctgtt aaaggagatt 1080
ggcaaaaaac tgttgaaatt gcaataattg ccttgagttc tgtgattgga actgaattca 1140
gaaaaaatga tattgaaatt ggtgttgcca ctgaaggaga atttagaatt ttgacaccag 1200
aagaaataga cgaaagattg atttcaatag ctgaacaaga ttag 1244

```

<210> 344

<211> 247

<212> PRT

<213> Candida albicans

<400> 344

```

Met Ser Asn Ser Ala Gly Phe Asp Arg His Ile Thr Ile Phe Ser Pro
 1              5              10              15

Glu Gly Arg Leu Tyr Gln Val Glu Tyr Ala Phe Lys Ala Ile Asn Ser
      20              25              30

Ala Asn Ile Thr Ser Leu Gly Ile Thr Gly Gln Asp Ser Ala Val Ile
      35              40              45

Ile Ser Gln Lys Lys Ile Pro Asp Lys Leu Leu Asp Pro Lys Thr Val
      50              55              60

Ser Tyr Ile Phe Lys Ile Thr Pro Ser Ile Gly Met Val Ala Thr Gly
      65              70              75              80

Ser Ile Ala Asp Ala Arg Ala Gln Ala Met Arg Ala Arg Ser Glu Ala
      85              90              95

Thr Glu Phe Arg Tyr Lys Tyr Gly Tyr Glu Met Pro Val Glu Ser Leu
      100             105             110

Ser Arg Arg Met Ala Asn Ile Ser Gln Leu Tyr Thr Gln Arg Ala Tyr
      115             120             125

Met Arg Pro Leu Gly Val Ala Leu Thr Phe Ile Gln Val Asp Phe Ala
      130             135             140

Asp Glu Gly Arg Gly Pro Gln Ile Phe Lys Cys Asp Pro Ala Gly Tyr

```

352

145	150	155	160
Phe Thr Gly Val Lys Ala Val Ala Thr Gly Pro Lys Gln Gln Glu Ala	165	170	175
Thr Thr Tyr Leu Glu Lys Lys Phe Lys Lys Thr Asp Ala Val Lys Gly	180	185	190
Asp Trp Gln Lys Thr Val Glu Phe Ala Ile Ile Ala Leu Ser Ser Val	195	200	205
Ile Gly Thr Glu Phe Arg Lys Asn Asp Ile Glu Ile Gly Val Ala Thr	210	215	220
Glu Gly Glu Phe Arg Ile Leu Thr Pro Glu Glu Ile Asp Glu Arg Leu	225	230	235
Ile Ser Ile Ala Glu Gln Asp	245		

<210> 345
 <211> 968
 <212> DNA
 <213> Candida albicans

<400> 345
 cattgtaggt acacctgttt ttgctcaatg tacacacaca cgcaccagca gtaggaaaaa 60
 aaacaaaatt aaatgaaaaa tcattttcgt tcaatattaa gcttcttaag ataaccaacc 120
 aattaatatg tatgtgacat accatataaa taaagctaca aatggggata actatgtatt 180
 taatgataaa tgaatggaag accagaatgt ataatgttat aagatagtga tttatattga 240
 aaacaccctt aaaaaaatca accacccatc taaccgtcga attggaaatg tcaatttagt 300
 tagcatcgaa aatcaacaaa gacatgggga atcattttaca tataaaataa tgagagagaa 360
 ttacaaaactg ctacgttatg ttttgttcat tatgtcttgt tcattatgtc ttgttcatta 420
 tgtcaaaaaa tctatagtta cctacctcta catcaattta tggcttgaaa tactaacatt 480
 ttttttattt atagtga aaa atgaagattg aagttgactc cttttcagggt tctaaaatct 540
 acccaggtag aggtacttta tttgtcagag gtgactctaa aattttttaga ttccaatcct 600
 caaaatctgc ttctttattc caacaaagaa agaaccgaag aagaatttct tggactgttt 660
 tgtacagaag acaccacaaa aaaggtatatt ctgaagaagc tgctaaaaag agaaccagaa 720
 agaccgtcaa gcaccaaaga gctattgtcg gtgcttcttt ggaattgatc aaagaaagaa 780
 gaagtcaaaa accatctgac agaaaagctg ctagagactc taaattagct aaagacaaag 840
 aagctaaaaa agctgctaaa gctgccagaa aagctgaaaa ggctaagggt gttgcttctg 900
 gtgcttctgt tgttttctaaa caacaagcta aaggttcttt ccaaaaagtt aaagctacct 960
 cccgttaa 968

<210> 346
 <211> 155
 <212> PRT
 <213> Candida albicans

<400> 346
 Met Lys Ile Glu Val Asp Ser Phe Ser Gly Ser Lys Ile Tyr Pro Gly
 1 5 10 15
 Arg Gly Thr Leu Phe Val Arg Gly Asp Ser Lys Ile Phe Arg Phe Gln

353

20	25	30
Ser Ser Lys Ser Ala Ser Leu Phe Gln Gln Arg Lys Asn Pro Arg Arg		
35	40	45
Ile Ser Trp Thr Val Leu Tyr Arg Arg His His Lys Lys Gly Ile Ser		
50	55	60
Glu Glu Ala Ala Lys Lys Arg Thr Arg Lys Thr Val Lys His Gln Arg		
65	70	75
Ala Ile Val Gly Ala Ser Leu Glu Leu Ile Lys Glu Arg Arg Ser Gln		
85	90	95
Lys Pro Ser Asp Arg Lys Ala Ala Arg Asp Ser Lys Leu Ala Lys Asp		
100	105	110
Lys Glu Ala Lys Lys Ala Ala Lys Ala Ala Arg Lys Ala Glu Lys Ala		
115	120	125
Lys Ala Val Ala Ser Gly Ala Ser Val Val Ser Lys Gln Gln Ala Lys		
130	135	140
Gly Ser Phe Gln Lys Val Lys Ala Thr Ser Arg		
145	150	155

<210> 347

<211> 1418

<212> DNA

<213> Candida albicans

<400> 347

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ccgtgcaagc	cgaaaagaac	aacaaaaaga	agttagcaat	agcagctgga	acaggaacag	780
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acacgtcggt	agcagttgat	cgtgacgatt	caccaaaca	cattttgaga	atagctattg	1020
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ggttaagaag	ctttaccatg	aatcttcgaa	ataagaaaaa	cccagaatta	agagaaagaa	1140
tcttatcgaa	acaaatttta	cctgctgcgt	tcattaaaaat	gaccccta	gaaatggctc	1200
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gtgtacttga	aaagagagca	gtgaccgata	gattcacttg	tggcaagtgt	aagcacaaga	1320
aggctcagtt	ttatcaaatg	caaaccagat	cagcggatga	gcctttaact	acattttgta	1380

cttgtgaaaa ttgtggcaat agatggaagt tttcataa

1418

<210> 348

<211> 305

<212> PRT

<213> Candida albicans

<400> 348

Met	Asp	Thr	Lys	Glu	Ile	Arg	Ser	Thr	Val	Ser	Asn	Leu	Glu	Lys	Ala
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			20					25					30		
Val	Lys	Pro	Ser	Glu	Lys	Leu	Leu	Arg	Glu	Thr	Lys	Val	Gly	Val	Ala
		35					40					45			
Val	Asn	Lys	Phe	Arg	Ser	His	Asp	Ser	Ala	Glu	Ile	Asn	Gly	Leu	Val
	50					55					60				
Lys	Lys	Met	Ile	Arg	Asn	Trp	Arg	Asp	Ala	Val	Gln	Ala	Glu	Lys	Asn
65					70					75					80
Asn	Lys	Lys	Lys	Leu	Ala	Ile	Ala	Ala	Gly	Thr	Gly	Thr	Gly	Thr	Pro
				85					90					95	
Ser	Ser	Ser	Ala	Ile	Ser	Pro	Ser	Ser	Ser	Gly	Ser	Gly	Ser	Thr	Thr
			100					105					110		
Pro	Lys	Pro	Ser	Glu	Ser	Thr	Thr	Pro	Ser	Ala	Ala	Arg	Lys	Gly	Pro
		115					120					125			
Arg	Asn	Pro	Lys	Thr	Asp	Gly	Val	Asn	Thr	Gln	Leu	Tyr	Glu	Asn	Asp
	130					135					140				
Thr	Arg	Asn	Ala	Ser	Val	Ser	Ala	Leu	Tyr	Thr	Ser	Leu	Ala	Val	Asp
145					150					155					160
Arg	Asp	Asp	Ser	Pro	Lys	His	Ile	Leu	Arg	Ile	Ala	Ile	Glu	Ile	Glu
				165					170					175	
Ala	Glu	Val	Tyr	Lys	Ser	Glu	Tyr	Ser	Lys	Val	Ser	Asp	Ser	Tyr	Arg
			180					185					190		
Asn	Arg	Leu	Arg	Ser	Phe	Thr	Met	Asn	Leu	Arg	Asn	Lys	Lys	Asn	Pro
		195					200					205			
Glu	Leu	Arg	Glu	Arg	Ile	Leu	Ser	Lys	Gln	Ile	Leu	Pro	Ala	Ala	Phe
	210					215					220				
Ile	Lys	Met	Thr	Pro	Asn	Glu	Met	Ala	Pro	Glu	Ala	Leu	Lys	Lys	Glu
225					230					235					240
Ile	Glu	Lys	Leu	His	Lys	Gln	Asn	Leu	Phe	Asp	Ala	Gln	Gly	Ala	Thr
				245					250					255	

355

Glu Lys Arg Ala Val Thr Asp Arg Phe Thr Cys Gly Lys Cys Lys His
 260 265 270

Lys Lys Val Ser Tyr Tyr Gln Met Gln Thr Arg Ser Ala Asp Glu Pro
 275 280 285

Leu Thr Thr Phe Cys Thr Cys Glu Asn Cys Gly Asn Arg Trp Lys Phe
 290 295 300

Ser
 305

<210> 349
 <211> 1301
 <212> DNA
 <213> Candida albicans

<400> 349
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 tatggtgttc attgtgtttt gtgtctaaag ttgcgttagg gctaaagccc taatcaatag 240
 tagtgtactt tgtttgaaaa aaataatata tgcaaaatac tgcataattag aattataagg 300
 gaatgaaaat gaaaaaaaaa agaataattt tgtagatcgc atagtgtgag cgcgcacaca 360
 cacacaaact ttgtagtgct acagttttct tctttcccat acactctcgc agtcgcacgc 420
 ttgacaaaag ttaattagaa atagaaaaat ttctcattcc ttttgagttt tccaccataa 480
 tcaactagta ataaccaaca atgcctacta gattaactaa aaccagaaaa cacagaggta 540
 atgtttctgg tatgtacaat ttcactaaag ttttaacgga tgaaagagta ttgaatgttc 600
 aaggacatat ggagatttag agaaaacatg gaaaactaat cgaaaatgaa taatgaatgg 660
 aaaatttttt aaactgaata tcagaataga cacaacacaa cagatccaga gtcattatca 720
 cattgatcat acaaccaaaag caatgaatat gagtagtttg ggaaaccaca acatacgagt 780
 tatttttcag aacaatcaag tttatcattt acagaagaca gttccatcaa tatgtccaaa 840
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 ccggtaaagg tagaattggt aaacacagaa agcaccgcgg tggtagaggt aaagctgggtg 960
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 aattgtggac tttggttgat tctgaaaaga aagacgaata cttgagcaaa tcatctgctt 1140
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<210> 350
 <211> 149
 <212> PRT
 <213> Candida albicans

<400> 350
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 20 25 30

Gly Lys Ala Gly Gly Gln His His His Arg Thr Asn Leu Asp Lys Tyr

356

35 40 45
 His Pro Gly Tyr Phe Gly Lys Val Gly Met Arg Tyr Phe His Lys Gln
 50 55 60
 Gln Asn His Phe Trp Arg Pro Glu Ile Asn Leu Asp Lys Leu Trp Thr
 65 70 75 80
 Leu Val Asp Ser Glu Lys Lys Asp Glu Tyr Leu Ser Lys Ser Ser Ala
 85 90 95
 Ser Ala Ala Pro Val Ile Asp Thr Leu Ala His Gly Tyr Gly Lys Val
 100 105 110
 Leu Gly Lys Gly Arg Leu Pro Glu Val Pro Val Ile Val Lys Ala Arg
 115 120 125
 Phe Val Ser Lys Leu Ala Glu Lys Ile Arg Ala Val Gly Gly Val
 130 135 140
 Val Glu Leu Val Ala
 145

<210> 351
 <211> 423
 <212> DNA
 <213> Candida albicans

<400> 351
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 tttgtttatg cgcatttccc aattaacggt aacattatta aaaaagatgg tcaagattac 180
 gttgaaatta gaaatttctt gggtgaaaaa agagtttagag aagttaaaat ccatgaaggt 240
 gtcaccatgg aaatttcttc tactcaaaaag gatgaattga ttgtttctgg taactccttg 300
 gaagctgttt ctcaaaatgc tgctgatatt caacaaatct gtcgtgtcag aaacaaggat 360
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 taa 423

<210> 352
 <211> 140
 <212> PRT
 <213> Candida albicans

<400> 352
 Ala Ile Lys Ile Thr Val His Asn Gly Asp Arg Lys His Val Ala Ala
 1 5 10 15
 Leu Arg Thr Val Lys Ser Leu Ile Ala Asn Leu Ile Thr Gly Val Thr
 20 25 30
 Lys Gly Tyr Lys Tyr Lys Met Arg Phe Val Tyr Ala His Phe Pro Ile
 35 40 45
 Asn Val Asn Ile Ile Lys Lys Asp Gly Gln Asp Tyr Val Glu Ile Arg

357

50	55	60
Asn Phe Leu Gly Glu Lys Arg Val Arg Glu Val Lys Ile His Glu Gly		
65	70	75 80
Val Thr Met Glu Ile Ser Ser Thr Gln Lys Asp Glu Leu Ile Val Ser		
	85	90 95
Gly Asn Ser Leu Glu Ala Val Ser Gln Asn Ala Ala Asp Ile Gln Gln		
	100	105 110
Ile Cys Arg Val Arg Asn Lys Asp Ile Arg Lys Phe Leu Asp Gly Ile		
	115	120 125
Tyr Val Ser Glu Arg Gly Thr Ile Val Glu Glu Ile		
	130	135 140

<210> 353

<211> 1655

<212> DNA

<213> Candida albicans

<400> 353

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caattacatt	atacgacgtt	gagcatgggt	agaatgtggg	gtctttggcc	acaccctcac	1320
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ctacacataa	tgatcaagac	gagagtgtcg	cttctgggtg	tgctttttatt	aaaaaggggg	1560
ttagaggtgg	ctctgggtgg	gacagcaatg	aaggattatg	tgtcgtgagt	ttcgatagag	1620
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<210> 354

<211> 384

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Ser	Ser	Asp 35	Gly	Tyr	Ala	Lys	Phe 40	Trp	Asp	Asn	Lys	Gln 45	Asp	Glu	Val
His	Ser 50	Pro	Lys	Glu	Phe	Val 55	Gln	Ser	Val	Phe	Ile 60	Asp	Lys	Ser	Gly
Ile 65	His	Ala	Val	Ala	Ala 70	Tyr	Glu	Asn	Val	Leu 75	Pro	Ser	Ser	Thr	Leu 80
Lys	Val	Thr	Leu	Leu 85	Ala	Phe	Ala	Cys	Phe 90	Asn	Gly	Ser	Ile	Ile 95	Phe
Arg	Tyr	Tyr	Ile 100	Asn	Asp	Asp	Phe	Ser 105	Thr	Ile	Glu	Ser	Leu 110	Thr	Asp
Asp	Ile 115	Lys	Ser	Phe	Glu	Ser	Asn 120	Cys	Trp	Thr	Pro	Gly 125	Phe	Tyr	Arg
Asp	Pro 130	Glu	Ser	Lys	Gln	Asp 135	Tyr	Phe	Ile	Thr	Thr 140	Lys	Thr	Asn	Gly
Thr 145	Thr	Glu	Val	His	Leu 150	Leu	Asn	Ile	Val	Asp 155	Glu	Asn	Glu	Lys	Ala 160
Val	Ile	Thr	Phe	Glu 165	Lys	Phe	Gly	Gln	Leu 170	Lys	Gly	Asn	Ser	Ser 175	Ser
Phe	Pro	Asn	Ser 180	Leu	Ala	Ile	Cys	Pro 185	Thr	Glu	Asn	Lys	Lys 190	Cys	Ala
Val	Gly 195	Tyr	Ile	Asn	Gly	Asp 200	Val	Leu	Leu	Tyr	Asp 205	Phe	Val	Ser	Leu
Lys 210	Leu	Ile	Tyr	Thr	Phe	Arg 215	Ser	Ser	Asp	Leu	Val 220	Thr	Ser	Arg	Asn
Ser 225	Gln	Ser	Thr	Ser	Ile 230	Pro	Arg	Val	Leu	Ala 235	Phe	Ser	Pro	Gly	Gly 240
Thr	Leu	Leu	Ala	Val 245	Ala	Arg	Asp	Asn	Gln 250	Ala	Ala	Gly	Ser	Ile 255	Thr
Leu	Tyr	Asp	Val 260	Glu	His	Gly	Glu	Asn 265	Val	Gly	Ser	Leu	Ala 270	Thr	Pro
Ser	His 275	Ser	Ala	Lys	Ser	Val	Val 280	Gly	Gly	Phe	Ala	His 285	Gln	Gly	Trp

359

Ile Leu Gly Leu Ser Phe Asp Glu Glu Gly Lys His Leu Ala Ser Cys
 290 295 300
 Gly Phe Asp Lys Cys Ile Arg Val Trp Asn Leu Glu Thr Ser Glu Arg
 305 310 315 320
 Glu Ala Thr Ile Ser Ile Ser Ile Ser Asp Leu Asp Asp Thr Thr His
 325 330 335
 Asn Asp Gln Asp Glu Ser Val Ala Ser Gly Val Ala Phe Ile Lys Lys
 340 345 350
 Gly Val Arg Gly Gly Ser Gly Gly Asp Ser Asn Glu Gly Leu Cys Val
 355 360 365
 Val Ser Phe Asp Arg Gly Ile Arg Trp Tyr Arg Glu Ala Gly Gly Ile
 370 375 380

<210> 355
 <211> 1418
 <212> DNA
 <213> Candida albicans

<400> 355
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 catttgtaaa tgtagatgga taaagtaagt tgattgtata aaaaaagaat ggattcatta 180
 atataaattt acaaatctga taataaacta cagtaactat tatgcaacaa ttgaaagtat 240
 cctgtgtcac gtgattaggg ctcaaaagcc ctaacagggt gcacgtgatg ttgatttatt 300
 tatccctgca cacattgagt tttttttcta tggtgaaaat tattagttag acgatgttgt 360
 tcgcatttta ccacacactc tcacactgag tgtagtcata ctaacaatct tctcacacta 420
 tacacaaaaa aaatctttcg tttgaaaagt tttgaaagggt tcgttttctc aatagtatat 480
 ccatacaata actgccaaag atggtatggt caagtgttta aagagatcga aatgttttgt 540
 ttttaattgga agtgatatca taatgagaaa atatgggaaa tagagatagg accgaattaa 600
 ttgaaagagt tttcttttgg ggaaatgggt tcaataagat ttttcaagat tggaatcaaa 660
 ttatgtcaga tgtgaagaag agtaaatata acaagaagtt caaatcatta aaaattttat 720
 gttaaatacaa cgattatcaa ttacagtcaa cgaatagaat aaaacaaaag ccagcatata 780
 acagatacca gtgattcatc ccagtgatat aaataatgat attcaattaa aaacaatatt 840
 aagacatttt ttatttatgt atcaacaaaa tactaactta tctttctttt aattagtctg 900
 acaaatccca aaatgttatg cgtgaattac gtattgaaaa attagtttta aacatttgtg 960
 ttggtgaatc cggtagataga ttaaccagag ccgccaaagt tttagaacaa ttatctgggtc 1020
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 aaaaaattgc cgtccacggt actgtcagag gtccaaaagc tgaagaaatc ttggaaagag 1140
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 acggtatgga tttctacggt gttatgggta gagccggtgc tagagtcacc agaagaaaga 1320
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<210> 356

360

<211> 174

<212> PRT

<213> Candida albicans

<400> 356

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Leu Val Leu Asn Ile Cys Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
 20 25 30

Ala Ala Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
 35 40 45

Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
 50 55 60

Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
 65 70 75 80

Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Ser Lys Asn Phe
 85 90 95

Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
 100 105 110

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Tyr Gly Met Asp Phe Tyr
 115 120 125

Val Val Met Gly Arg Ala Gly Ala Arg Val Thr Arg Arg Lys Arg Ala
 130 135 140

Arg Ser Thr Ile Gly Asn Ser His Lys Thr Asn Lys Glu Asp Thr Ile
 145 150 155 160

Gln Trp Phe Lys Thr Arg Tyr Asp Ala Glu Val Leu Asp Lys
 165 170

<210> 357

<211> 919

<212> DNA

<213> Candida albicans

<400> 357

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 tcatattgac atgataagga tttatcaata ctgtaggtc tatagcccta actttaatca 180
 tttacacgtg atacaaaaaa gttgtttgat cccgcacgac tatgagtacg cactcactaa 240
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 cctaagacgt ctgcatacat tttctaaagt cacactgata tagggatgtt gtggtagtga 360
 ttgtgtgttc ccaccaata actttgcgga cactctcata tactcaattt ttttcttaca 420
 aaaatttttt ttcttctact tttttcaaga attcttcttt tacaattcaa caacatcaat 480
 catgggtaaa ggtaaaccac gagggcttaa ctctgctaga aaattaagag ttcacagaag 540
 aaacaacaga tgggctgac aagcttataa agctagatta ttaggtaccg ctttcaaatac 600
 ttctccattt ggtggttcac ctacgcacaa aggtatcggt ttggaaaaaa ttggtattga 660

361

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cgaagtcttg ttggctgggt tcggtagaag aggtaaagct aagggggata ttccaggggt 840
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<210> 358

<211> 145

<212> PRT

<213> *Candida albicans*

<400> 358

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             20             25             30

Leu Leu Gly Thr Ala Phe Lys Ser Ser Pro Phe Gly Gly Ser Ser His
      35             40             45

Ala Lys Gly Ile Val Leu Glu Lys Ile Gly Ile Glu Ser Lys Gln Pro
      50             55             60

Asn Ser Ala Ile Arg Lys Cys Val Arg Val Gln Leu Ile Lys Asn Gly
      65             70             75             80

Lys Lys Val Thr Ala Phe Val Pro Asn Asp Gly Cys Leu Asn Phe Val
             85             90             95

Asp Glu Asn Asp Glu Val Leu Leu Ala Gly Phe Gly Arg Arg Gly Lys
      100             105             110

Ala Lys Gly Asp Ile Pro Gly Val Arg Phe Lys Val Val Lys Val Ser
      115             120             125

Gly Val Ser Leu Leu Ala Leu Trp Lys Glu Lys Lys Glu Lys Pro Arg
      130             135             140

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Ser

145

<210> 359

<211> 1164

<212> DNA

<213> *Candida albicans*

<400> 359

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cacgaaatgt ggttggaaaa acttgagtc tcaaaaaggt tctctcgtaa aaggccagag 120
aaagaaaaaa ccaccaaacc cccaccacca acctaacctt ttccttccat ccattcctct 180
ttccttactt tgcaaatggt gaatccagtt atattcatta aagatcctat aaaatacgat 240
tattcacaat ttatttatatc tttactcccg aaattcatta attgtaatcg tattgattta 300
gtatacttt gtcaaatcac cgaatcaaat caattgaatg aaattttatg tttttattat 360

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362

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<210> 360

<211> 322

<212> PRT

<213> Candida albicans

<400> 360

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          20             25             30

Ile Asp Leu Val Ile Leu Cys Gln Ile Thr Glu Ser Asn Gln Leu Asn
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Glu Ile Leu Cys Phe Tyr Tyr Gln Leu Ile Arg Asn His Lys Asn Asn
          50             55             60

Gly Asp Thr Asp Gly Asp Thr Asp Ser Leu Pro Met Phe Asp Tyr Arg
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Phe Glu Ile Asn Ile Leu Phe Asn Leu Ser Thr Lys Lys Leu Asn Gln
          85             90             95

Leu Cys Leu Asn Asn Trp Asn His Gly Tyr Ile Ala Glu Gly Asp Asn
          100            105            110

Asp Asn Ser Thr Asn Leu Ser Ser Leu Pro Leu Ser Ile Thr Gln Ile
          115            120            125

Ser Asn Ile Glu Ile Pro Thr Ile Gln Ser Arg Ala Asn Ser Ser Ser
          130            135            140

Ala Tyr Asn Asp Glu Asp Asp Lys Ile Thr Thr Ser Arg Gln Tyr Gln
          145            150            155            160

Gln Phe Lys Thr Thr Ala Val Gly Gly Thr Phe Asp His Leu His Asp
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Gly His Lys Ile Leu Leu Ser Met Ala Ile Phe Leu Thr Ser Asn Lys
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Leu Ile Ile Gly Ile Thr Gly Ser Asn Leu Leu Ile Asn Lys Lys Phe
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 Lys Ser Gln Leu Gln Thr Phe Asn Gln Arg Gln Asn Leu Val Ile Gln
 210 215 220
 Phe Ile Asn Leu Leu Leu Leu Ser Glu Thr Ser Val Ile Phe Phe Glu
 225 230 235 240
 Ile Tyr Glu Ile Asn Asp Val Cys Gly Pro Thr Gly Tyr Ile Asn Asp
 245 250 255
 Ile Asp Asn Leu Ile Ile Ser Gln Glu Thr Lys Ser Gly Gly Glu Phe
 260 265 270
 Val Asn Lys Phe Arg Lys Asp His Gly Phe Lys Leu Leu Asp Ile Thr
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 Ile Ile Lys Val Ile Gly Gly Asn Ile Glu Glu Asn Ser Trp Lys Gly
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<210> 361
 <211> 1427
 <212> DNA
 <213> Candida albicans

<400> 361
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			20					25					30			
Lys	Ser	Pro	Leu	Glu	Gln	Phe	Glu	Asp	Val	Ala	Lys	Lys	Val	Glu	Asp	
		35					40					45				
Trp	Ile	Asp	Asp	Tyr	Phe	Lys	Val	Leu	Lys	Pro	Tyr	Val	Pro	Ala	Ile	
	50					55					60					
Gly	Arg	Ala	Phe	Leu	Val	Ala	Thr	Phe	Tyr	Glu	Asp	Thr	Leu	Arg	Ile	
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Phe	Thr	Gln	Trp	Asn	Glu	Gln	Val	Tyr	Tyr	Leu	His	Asn	Tyr	Arg	His	
				85					90					95		
Tyr	Trp	Arg	Trp	Leu	Thr	Val	Leu	Phe	Leu	Ile	Asn	Asn	Met	Val	Val	
			100					105					110			
Met	Thr	Val	Ala	Ser	Thr	Leu	Val	Ile	Ala	Arg	Lys	Lys	Asn	Asn	Ile	
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Ala	Thr	Ile	Ala	Leu	Ile	Val	Val	Val	Ile	Ile	Gln	Gly	Ile	Gly	Tyr	
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Gly	Leu	Leu	Phe	Asp	Ala	Gln	Phe	Val	Leu	Arg	Asn	Leu	Ser	Val	Val	
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Gly	Gly	Leu	Val	Leu	Ala	Phe	Ser	Asp	Ser	Ile	Val	Arg	Asp	Lys	Arg	
				165					170					175		
Ser	Leu	Asn	Met	Pro	Gly	Leu	Pro	Met	Leu	Asn	Asn	Gln	Asp	Asn	Lys	
			180					185					190			
Lys	Tyr	Phe	Leu	Leu	Ala	Gly	Arg	Ile	Leu	Leu	Val	Leu	Leu	Phe	Leu	
		195					200					205				
Gly	Phe	Val	Phe	Ser	Ser	Asp	Trp	Ser	Leu	Gly	Arg	Val	Phe	Ile	Ile	
	210					215					220					
Ile	Ile	Gly	Leu	Thr	Ser	Cys	Ala	Ser	Ile	Val	Val	Gly	Tyr	Lys	Thr	
225					230					235					240	
Lys	Phe	Ser	Ala	Ala	Ile	Met	Leu	Ile	Val	Leu	Phe	Leu	Tyr	Asn	Val	

365

	245		250		255
Phe Thr Asn Gln Phe Trp Ala Tyr		Ala Ser Gln Asp Ala Arg Arg Asp			
	260		265		270
Phe Leu Arg Tyr Glu Phe Phe Gln Val Leu Ser Ile Val Gly Gly Leu					
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Lys Lys Ile Tyr					
305					

<210> 363
 <211> 1876
 <212> DNA
 <213> Candida albicans

<400> 363

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gacaagtgt	tagaatcttt	tttattaata	ctcaattttt	ttagttatgt	tccagaacaa	360
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gatgaagaag	caaaaaagaa	aatttttttt	tctcaaccat	cttaaatacct	cctacaatta	480
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<210> 364

<211> 427

<212> PRT

<213> Candida albicans

<400> 364

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Ser Lys Tyr Ser Ala Pro Val Arg Arg Pro Ile Glu Pro Val Gly Arg
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Tyr Phe Leu Ala His Ala Ser Arg Thr Leu Arg Gly His Thr Trp Ser
35 40 45

Glu Phe Glu Lys Leu Glu Ala Glu Lys Asn Val Lys Gln Ile Glu Val
50 55 60

Asn Glu Asp Glu Asp Leu Gly Asp Glu Glu Gln Ser Glu Glu Leu Leu
65 70 75 80

Glu His Asp Pro Arg Glu Trp Lys Thr Ala Asn Leu Tyr Ala Val Leu
85 90 95

Gly Leu Ser His Leu Arg Ser Lys Ala Thr Glu Asp Gln Ile Arg Arg
100 105 110

Ala His Arg Lys Gln Val Leu Lys His His Pro Asp Lys Lys Ser Ala
115 120 125

Ser Gly Gly Leu Glu Asn Asp Gly Phe Phe Lys Ile Ile Gln Lys Ala
130 135 140

Phe Glu Val Met Leu Asp Pro Val Lys Arg Arg Gln Tyr Asp Ser Ile
145 150 155 160

Asp Val Glu Asn Asp Pro Lys Pro Pro Ala Pro Lys Ser Lys Tyr Asp
165 170 175

Phe Phe Glu Ala Trp Gly Pro Val Phe Glu Ser Glu Ala Arg Phe Ser
180 185 190

Thr Lys Gln Pro Val Pro Leu Leu Gly Asn Leu Glu Ser Thr Lys Glu
195 200 205

Glu Val Asp Ala Phe Tyr Ser Phe Trp Gly Arg Phe Asp Ser Trp Lys
210 215 220

Thr Phe Glu Phe Lys Asp Glu Asp Val Pro Asp Asp Thr Ala Asn Arg
225 230 235 240

Asp His Lys Arg Tyr Ile Glu Arg Lys Asn Ile Ala Gln Gln Lys Glu
245 250 255

Ile Glu Ala Arg Arg Ser Gln Glu Ile Ile Glu Leu Val Glu Arg Ala
260 265 270

His Ala Glu Asp Pro Arg Ile Lys Leu Phe Lys Glu Lys Ala Lys Lys

367

275	280	285
Glu Lys Ala Ala Lys Lys Trp 290	Glu Lys Glu Ser 295	Gly Ser Arg Lys Ala 300
Ala Glu Glu Ala Ala Ala Lys Lys 305	Ala Ala Glu 310	Glu Glu Ala Ala Ala Lys 315 320
Lys Ala Ala Glu Glu Ala Ala Ala Leu 325	Lys Lys Ala Asn 330	Ser Lys Lys Ala 335
Lys Glu Ala Ala Lys Ala Ala Lys 340	Lys Lys Asn 345	Lys Arg Asn Ile Arg 350
Ala Ala Val Lys Asp Asn Asn Tyr Phe 355	Gly Asp 360	Ser Ala Lys Ser Ala 365
Asp Ile Asp Ala Asp Val Asp Leu Leu Ile 370	Glu 375	Lys Phe Asp Asp Val 380
Lys Leu Gly Glu Val Ala Asp Lys Val Lys 385	Asp 390	Ala Asp Ala Ala Ser 395 400
Val Lys Ser Thr Phe Val Glu Val Ala Lys 405	Glu 410	Leu Val Gly Ala Gly 415
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<210> 365

<211> 1178

<212> DNA

<213> Candida albicans

<400> 365

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368

<210> 366
 <211> 82
 <212> PRT
 <213> Candida albicans

<400> 366
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 20 25 30
 Met Asp Val Lys Cys Gln Gly Cys Leu Asn Ile Thr Thr Val Phe Ser
 35 40 45
 His Ala Gln Thr Ala Val Thr Cys Asp Ser Cys Ser Thr Val Leu Cys
 50 55 60
 Thr Pro Thr Gly Gly Lys Ala Lys Leu Thr Glu Gly Cys Ser Phe Arg
 65 70 75 80
 Arg Lys

<210> 367
 <211> 1179
 <212> DNA
 <213> Candida albicans

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<210> 368

369

<211> 106
 <212> PRT
 <213> Candida albicans

<400> 368
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 35 40 45
 Gly Tyr Gly Gly Gln Thr Lys Gln Ile Phe His Lys Lys Ala Lys Thr
 50 55 60
 Thr Lys Lys Val Val Leu Arg Leu Glu Cys Val Val Cys Lys Thr Lys
 65 70 75 80
 Ala Gln Leu Pro Leu Lys Arg Cys Lys His Phe Glu Leu Gly Gly Asp
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 100 105

<210> 369
 <211> 3583
 <212> DNA
 <213> Candida albicans

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370

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tgatattgat tccaagaaaa tcgaaaagtt tattcctcct catttgaata ctaggaaaga 3540
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<210> 370

<211> 1072

<212> PRT

<213> Candida albicans

<400> 370

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Met Thr Leu Ser Ser Glu Ser Thr Lys Pro Ser Val Glu Glu Val Ser
 1              5              10              15

Lys Ser Leu Lys Pro Thr Ile Thr Lys Lys Thr Ser Phe Thr Asp Tyr
 20              25              30

Leu Lys Ser Ala Lys Thr Lys Ala Lys Glu Glu Lys Val Thr Ile Glu
 35              40              45

Lys Ser Asp Lys Thr Ile Asn Ser Glu Glu Arg Lys Thr Glu Pro Ile
 50              55              60

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371

Gln	Gln	Ser	Glu	Gln	Leu	Leu	Thr	Asp	Lys	Lys	Asp	Asn	Lys	Ser	Glu	65	70	75	80
Pro	Asn	Ser	Glu	Val	Asn	Leu	Lys	Asp	Asn	Asn	Asp	Asp	Ser	Lys	Ala	85	90		95
Thr	Ala	Gly	Cys	Ala	Leu	Gly	Pro	Asp	Lys	Asn	Thr	Gly	Lys	Asn	Asp	100	105		110
Ser	Asp	Lys	Ser	Glu	Thr	Thr	Gln	Pro	Lys	Leu	Ala	Arg	Ser	Glu	Ser	115	120		125
Phe	Ala	Asp	Thr	Ser	Leu	Leu	Ser	Pro	Val	Asn	Glu	Ser	Asp	Thr	Asp	130	135		140
Phe	Asn	Phe	Asn	Glu	Leu	Ala	Glu	Ile	Pro	Glu	Ala	Lys	Asp	Gly	Ser	145	150		155
Val	Val	Ala	Ala	Asn	Val	Ser	Glu	Asn	Ile	Asp	Glu	Asn	Glu	Asn	Ile	165	170		175
Ser	Glu	Ala	Glu	Thr	Val	Ile	Ala	Asp	Asp	Leu	Pro	Arg	Leu	Asp	Glu	180	185		190
Gly	Lys	Lys	Leu	Leu	Arg	Glu	Gln	Thr	Ala	Asp	Val	Lys	Arg	His	Lys	195	200		205
Leu	Lys	Lys	Thr	Lys	Leu	Asn	Thr	Ile	Phe	Ser	Ser	Asp	Glu	Glu	Glu	210	215		220
Glu	Glu	Ile	Gln	Glu	Pro	Asp	Phe	Lys	Leu	Gln	Glu	Pro	Glu	Lys	Leu	225	230		235
Pro	Glu	Asp	Asp	Gln	His	Pro	Asp	Phe	Gln	Asn	Ser	Lys	Ala	Thr	Thr	245	250		255
Glu	Ile	Ser	Asn	Asp	Lys	Thr	Glu	Val	Asn	Lys	Pro	Glu	Val	Lys	Glu	260	265		270
Val	Gly	Glu	Lys	Glu	Arg	Asn	His	Gln	Leu	Glu	Asp	Arg	Leu	Pro	Ile	275	280		285
Lys	Lys	Glu	Lys	Met	Arg	Ser	Glu	Asn	Ala	Lys	Thr	Ser	Glu	Asn	Gly	290	295		300
Val	Ser	Ser	Lys	Ser	Glu	Ser	Lys	Ile	Ser	Lys	Ser	Lys	Lys	Leu	Pro	305	310		315
Tyr	Lys	Val	Lys	Arg	Asp	Ser	Ser	Gly	Arg	Ser	Leu	Leu	Gln	Arg	Ala	325	330		335
Cys	Lys	Lys	Gly	Asn	Phe	Ala	Asp	Val	Gln	Asp	Tyr	Ile	Glu	Arg	Gly	340	345		350
Ala	Ser	Ala	Asn	Glu	Lys	Asp	Phe	Cys	Gly	Phe	Thr	Cys	Leu	His	Glu	355	360		365

372

Ala	Ala	Leu	Glu	Gly	His	Thr	Gln	Ile	Val	Lys	Tyr	Leu	Ile	Glu	Asn
370						375					380				
Gly	Ala	Asn	Val	Asn	Ala	Lys	Ala	Asp	Glu	Ala	Gly	Asp	Ser	Glu	Thr
385					390					395					400
Pro	Leu	Ile	Asp	Ala	Ala	Glu	Asn	Lys	His	Leu	Asp	Cys	Val	Lys	Val
				405					410					415	
Leu	Leu	Glu	Asn	Asp	Ala	Asp	Pro	Thr	Ile	Phe	Asn	Ile	Asp	Gly	Phe
			420					425					430		
Thr	Ala	Leu	Thr	Lys	Ile	Tyr	Asn	Glu	His	Glu	Gly	Glu	Glu	Gly	Tyr
			435				440					445			
Asp	Glu	Ile	Ile	Gln	Val	Leu	Glu	Glu	Ala	Thr	Ala	Asn	Tyr	Asn	Ser
	450					455					460				
Arg	Leu	Pro	Arg	Glu	Val	Gln	Phe	Val	Ser	Asp	Ala	Pro	Ile	Gly	Ser
465					470					475					480
Gly	Pro	Ile	Met	Glu	Asp	Pro	Asn	Asp	Asn	Tyr	Phe	Ala	Glu	Leu	Ile
			485						490					495	
Lys	Gly	Lys	Gly	Ile	Tyr	Lys	Tyr	Ala	Ala	Glu	Asn	Ser	Lys	Glu	Lys
			500					505					510		
Thr	Ala	Glu	Tyr	Phe	Val	Ala	Gly	His	Asn	Leu	Glu	Gly	Lys	Pro	Asp
		515					520					525			
Ile	Leu	Ile	Leu	Ala	Ala	Arg	Asn	Gly	His	Thr	Glu	Leu	Val	Asp	Ile
	530					535					540				
Ile	Leu	Gly	Leu	Asn	Pro	Thr	Pro	Phe	Asn	Ile	Asp	Thr	Glu	Ser	Ser
545					550					555					560
Cys	Gly	Val	Thr	Ala	Leu	Leu	Ala	Ser	Ile	Gly	Arg	Gly	His	Phe	Glu
				565					570					575	
Val	Val	Asp	Ser	Leu	Leu	Ser	Lys	Gly	Ala	Asp	Pro	Phe	Lys	Thr	Arg
			580					585					590		
Lys	Lys	Asp	Gly	Leu	Asn	Ala	Leu	Glu	Ile	Ala	Gln	His	Ser	Pro	His
		595					600					605			
Phe	Asp	Ser	Arg	Glu	Val	Ser	Val	Ile	Met	Lys	Phe	Met	Glu	Lys	Lys
	610					615					620				
Ser	Gly	Thr	Lys	Ile	Leu	Ser	Gly	Ile	Pro	Ser	Arg	Val	Val	Ser	Arg
625					630					635					640
Ala	Thr	Ser	Arg	Ala	Pro	Ser	Val	Pro	Val	Ser	Ser	Asp	Glu	Asp	Asp
				645					650					655	
Val	Val	Glu	Glu	Lys	Glu	Ile	Thr	Ala	His	Thr	Glu	Asn	Lys	Ser	Ala
			660					665					670		

Glu Lys Lys Ser Glu Asp Lys Ile Thr Lys Thr Val Asn Glu His Val
 675 680 685
 Ser Asn Arg Lys Pro His Glu Ser Thr Gly Arg Lys Leu Glu Lys Thr
 690 695 700
 His Ser Asn Glu Glu Arg Lys Arg Lys Arg Glu Trp Ser Asp Asp Glu
 705 710 715 720
 Pro Lys Glu Pro His Leu Leu Lys Lys Ser Lys Ser Asp Leu Lys Leu
 725 730 735
 Lys Ser Leu His Arg Glu Phe Thr Ser Asp Asp His His Thr Ser Glu
 740 745 750
 Ser His Ser Asp Ser Phe Ala Glu Lys Arg Lys His Leu Ser Ala Thr
 755 760 765
 Pro Pro Ala Pro Pro Pro Pro Pro Pro Pro Pro Pro Ser Gln Ala Val
 770 775 780
 Ile Lys Ala Gln Glu Glu Gln Lys Ile Lys Asp Ala Glu Glu Ala Arg
 785 790 795 800
 Leu Trp Gln Glu Lys Val Glu Ala Lys Lys Arg Ala Arg Arg Glu Met
 805 810 815
 Phe Leu Lys Ser Glu Lys Glu Lys Glu Gln Lys Arg Lys Glu Glu Glu
 820 825 830
 Glu Leu Arg Ala Gln Glu Glu Lys Arg Ile Ala Lys Ala Lys Gln Glu
 835 840 845
 Glu Gln Glu Arg Leu Ala Arg Glu Ala Glu Glu Lys Ser Lys Glu Leu
 850 855 860
 Glu Glu Lys Lys Val Gly Leu Arg Gln Gln Leu Thr Leu Asp His Tyr
 865 870 875 880
 Pro Val Gly Leu Arg Tyr Cys Lys Phe Asp Gly Asn Pro Asn Ile Ser
 885 890 895
 Ala Val Asp Lys Phe Leu Pro Phe Tyr Val Phe Val Ile Asp Asp Lys
 900 905 910
 Lys Tyr Ala Val Asp Leu Gln Val Ser Leu Ile Thr Ser Thr Val Val
 915 920 925
 Ser Lys Val Ile Asn Thr Val Gln Pro His Gln Lys Arg Glu Ile Asn
 930 935 940
 Ala Thr Glu Lys Ser Lys Leu Trp Lys Leu Phe Phe Lys Phe Ile Gly
 945 950 955 960
 Ile Asp Pro Arg Asn Pro Asn Cys Asp Gln Arg Ser Ser Ile Thr Asn
 965 970 975

374

Gly Gln Lys Gln Phe Gln Asn Leu Leu Leu His Phe Val Glu Val Asp
 980 985 990
 Leu Ala Glu Glu Phe Leu Lys Glu Phe Pro Glu Val His Ser Lys Ala
 995 1000 1005
 Lys Asp Asn Gln Ile Asp Val Ser Leu Glu Ser Leu Ser Gly Phe Ser
 1010 1015 1020
 Asp Cys Val Lys Asp Asp Ile Ile Val Asp Gly Asn Leu Glu Ile Asp
 1025 1030 1035 1040
 Ile Asp Ser Lys Lys Ile Glu Lys Phe Ile Pro Pro His Leu Asn Thr
 1045 1050 1055
 Arg Lys Asp Ile Ile Arg Thr Val Ser Thr Leu Ala His Pro Leu Trp
 1060 1065 1070

<210> 371
 <211> 659
 <212> DNA
 <213> Candida albicans

<400> 371
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 atttgttttt gttcgtgtct cggtcattga gggtgggttaa attgtttttc ttttgagaat 180
 tgtgagcatg caatgtcgca tgcaaatatg atgtcgctca attgcgacat actacttagg 240
 gctatagacc tattgcacgt gcgttagttt taaacctaaa aaaacaattt tgtgcagtcg 300
 tgcaccattc gttctatttt tctactgtga ttgacgtaca aaccttcaca gttcacgcac 360
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 aaggcgaaaa aaaaaaaaaa taaacttgaa tattttgtaa tccccttttt gattactaca 480
 atagattaaa gtaactaaag atgattgaac catccttgaa agcttttagct tcaaaataca 540
 actgtgaaaa atccatttgt cgtaaattgt acgctagatt gccaccaaga gccaccaact 600
 gtcgtaagag aaagtgtggt cacaccaatc aattgagacc aaagaagaaa ttgaagtag 659

<210> 372
 <211> 52
 <212> PRT
 <213> Candida albicans

<400> 372
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 Lys Ser Ile Cys Arg Lys Cys Tyr Ala Arg Leu Pro Pro Arg Ala Thr
 20 25 30
 Asn Cys Arg Lys Arg Lys Cys Gly His Thr Asn Gln Leu Arg Pro Lys
 35 40 45

Lys Lys Leu Lys
50

<210> 373
<211> 2297
<212> DNA
<213> *Candida albicans*

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ttttgtaagt ggtagaggta tgggtaagat tattttcacc accgttttcc tttagcaaat 180
agtctaaagc attttctgaa ttgttgagtt tccgtacatc attagctatc ttttgtaaca 240
ttgatttgct tctacctcta gtcattggaaa taacaagtta acagcgtggt ttgttggttt 300
gttggaacaa ataaatttgt ggtgtgtaat gtgtgtgttt gttttttttt tttaccagca 360
ttttgtcttg ttctaaaaat gaaacagcgc aatgattctt ttcatagttt tttttttcca 420
tacataactt ctgacgcgtg cactatatct gctaacatac tcggcaacaa caaagaaaga 480
gaatttgaac taatccgaag atgaacgacc ccagagatga acaaattgac tccgatgatg 540
tattaacaga agattcatct gatgaattga aggacttggt gcaggagttt gaattgaaat 600
atgcagaatt aaagaagaac aaagccttga aaaaacgtcg ttcacagtca ccactggaag 660
acatgctgaa taaacagaaa ccccatcaac cggagggtccc cagaacccca gaaaaagcta 720
aagtcatttt ggataaggta gtagaagaac caaagcaaag aatttttacc aagaaggagc 780
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atgaagaaga cattgaaatc cagtttgacg acgaaaagtc taagatgtcc tacatgaaaa 2280
tgactggagc caggttaa 2297

<210> 374
<211> 598
<212> PRT
<213> *Candida albicans*

376

<400> 374

Met	Asn	Asp	Pro	Arg	Asp	Glu	Gln	Ile	Asp	Ser	Asp	Asp	Val	Leu	Thr
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Glu	Asp	Ser	Ser	Asp	Glu	Leu	Lys	Asp	Leu	Val	Gln	Glu	Phe	Glu	Leu
			20					25					30		
Lys	Tyr	Ala	Glu	Leu	Lys	Lys	Asn	Lys	Ala	Leu	Lys	Lys	Arg	Arg	Ser
		35					40					45			
Gln	Ser	Pro	Ser	Glu	Asp	Met	Ser	Asn	Lys	Gln	Lys	Pro	His	Gln	Pro
	50					55					60				
Glu	Val	Pro	Arg	Thr	Pro	Glu	Lys	Ala	Lys	Val	His	Leu	Asp	Lys	Val
65					70					75					80
Val	Glu	Glu	Pro	Lys	Gln	Arg	Ile	Phe	Thr	Lys	Lys	Glu	Pro	Arg	Asp
				85					90					95	
Ser	Lys	Ile	Lys	Glu	Ser	Asn	Phe	Leu	Asn	Lys	Leu	Tyr	Glu	Thr	Ser
			100					105					110		
Asn	Lys	His	Asp	Lys	Glu	Asp	Ala	His	Lys	Ile	Asp	Phe	Ser	Lys	Arg
		115					120					125			
Arg	Phe	Glu	Phe	Gln	Leu	Asp	Lys	Tyr	Thr	Phe	Thr	Pro	Lys	Asp	Val
	130					135					140				
Val	Asp	Asp	Leu	Glu	Pro	Ile	Ser	Lys	Leu	Tyr	Leu	Arg	Arg	Arg	Tyr
145					150					155					160
Leu	Ala	Gln	Ser	Gln	Ile	Ala	Asp	Ile	Ile	Ala	Glu	Thr	Asp	Ser	Asn
				165					170					175	
Met	Lys	Phe	Leu	Lys	Ile	Asp	Lys	Phe	Leu	Ala	Lys	Thr	His	Lys	Ser
			180					185					190		
Asn	Asn	Tyr	Ala	Glu	Pro	Lys	Tyr	Cys	Asn	Trp	Cys	Leu	Val	Ala	Phe
		195					200					205			
Val	Val	Arg	Lys	Asp	Pro	Val	Gln	Val	Ala	Ala	Asn	Asn	Ser	Lys	Tyr
	210					215					220				
Ile	Lys	Leu	Lys	Val	Gly	Asn	Phe	Met	Asn	Ser	Val	Asp	Leu	Met	Leu
225					230					235					240
Phe	Asp	Lys	Ala	Phe	Gln	Lys	Asn	Gly	Lys	Ile	Gln	Pro	Gly	Asp	Leu
				245					250					255	
Leu	Phe	Ile	Leu	Asn	Pro	Leu	Ile	Asn	Lys	Tyr	Glu	Ile	Gln	Val	Gly
			260					265					270		
Lys	Gly	Gln	Phe	Gln	Ser	Gly	Phe	Asn	Leu	Lys	Val	Glu	Asn	Thr	Asn
		275					280					285			
Val	Ser	Ser	Ile	Leu	Glu	Ile	Gly	Ser	Leu	Arg	Asp	Phe	Gly	Phe	Cys
	290					295					300				

Lys Phe Thr Arg Lys Leu Asp Asn Ser Arg Cys Lys Arg Ala Ile Asn
 305 310 315 320
 Thr Arg Thr Gln Glu Phe Cys Asp Ile His Leu Asp Met Lys Phe Lys
 325 330 335
 Ser Ser Thr Arg Met Glu Leu Asn Gly Ser Val Ser Ile Arg Ser Pro
 340 345 350
 Gln Lys Asn Lys Lys Lys Met Tyr Met Asn Lys Asn Gly Ser Gly Phe
 355 360 365
 Ile Lys Gln Tyr Asn Glu Glu Ser Thr Val Ile Gly Thr Ser Tyr Gly
 370 375 380
 Ser Pro Leu Asp Pro Lys Arg Tyr Gln Asp Pro Lys Val Leu Gln Asn
 385 390 395 400
 Gln Ile Lys Arg Arg Lys Leu Ile Asp Asp Lys Ala Lys Glu Met Leu
 405 410 415
 Glu Gln Lys Leu Ser Lys Leu Gly Ser Ala Ser Leu Leu Asn Asn Leu
 420 425 430
 Gln Leu Ser Lys Lys Glu Ala Thr Asp Lys Leu Ala Ser Asp Arg Ser
 435 440 445
 Lys Ser Lys Gly Phe Thr Asn Thr Met Ile Ser His Ile Gly Phe Asp
 450 455 460
 Pro Thr Gly Thr Ser Leu Asn Gln Asn Ser Thr Ser Leu Gly Ser Lys
 465 470 475 480
 Ser Met Glu Lys Ser Arg Ala Arg Glu Leu His Asp Leu Ser Val Glu
 485 490 495
 Thr Ser Gly His Lys Ser Leu Ser Ser Ser Lys Gln Asp Arg Gln Ser
 500 505 510
 Lys Val Ala Lys Trp Asn Thr Asn Ile Arg Thr Leu Gln Asn Tyr Asp
 515 520 525
 Arg Arg Val Ala Ser His Ser Leu Ser Thr Ser Arg Arg Leu Gln Asn
 530 535 540
 Leu Val Gly Lys Gln Thr His Ala Thr Leu Val Asp Lys Arg Lys Arg
 545 550 555 560
 Val Val Val Ser Asp Asp Glu Gln Pro Gly Met Glu Glu Asp Glu Glu
 565 570 575
 Asp Ile Glu Ile Gln Phe Asp Asp Glu Lys Ser Lys Met Ser Tyr Met
 580 585 590
 Lys Met Thr Gly Ala Arg
 595

<210> 375
 <211> 1499
 <212> DNA
 <213> *Candida albicans*

<400> 375
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 taggtggcat caaggtaaag gagggagttt tggatatagt aggtttttga cttatttcct 120
 tttttgagta gatataacag aactaccaa agtgagccca catctgttaa tcttgaaaag 180
 caaaattgag aaaaccattt atgcaagtcg tgtactgggt atattccttg tcaattgcta 240
 cacttttgta atgaatactg taatgtagcc gacgtgggtt gaanaatata tatttaagta 300
 tatagaatca ggtcaatata aaatgtttga aatataacaa aatgtttcaa tgtaaactga 360
 tggttaaggg attataaatc aaactgagta gtgcttttgt tcctaaaaaa cccatcgtgg 420
 tggtaacgtc aggagaccgc gacatcaaat ggaattcaca caatcagtct ccgaatttat 480
 tacccttgaa acttaactta atgaaagagc cttccatcac tactaccttt gttgaggtta 540
 cagacaaact tcctacaaag cctccgtgca ggggtgtttt caagaatgag tatgagcagc 600
 cctccggcag tgtcaaatta agaggcatgg gacacttggg tggccagtct atagatgtgg 660
 ccagaaaact tggcaaactc aacgtagcag ttttttcgtc atctgggtgg aatgcaggat 720
 tagcagctgc ttatgccagc cagttttttg gagtatcgtg cactgtgggt ttgcctgaaa 780
 gttcgaagcc aactgttata gaaaagtga aatccttggg tgcagatgac attattcatg 840
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 atcataagga gataccagtg ttggcaattg aaactaaaca agcggccacg tttcacgagg 1140
 cggtaaaaga aggtaaagt gttcatttac aaaaagtgca aactttggcc acttctttgg 1200
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 tgaataaatt tggtagatta agtccagatg atattatcat tgttgtcata tgtgggtggat 1440
 cggctatcaa caagtatat atagacgaat atagaagttt attagaaaaa gactcttga 1499

<210> 376
 <211> 332
 <212> PRT
 <213> *Candida albicans*

<400> 376
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 Leu Pro Thr Lys Pro Pro Cys Arg Val Phe Phe Lys Asn Glu Tyr Glu
 20 25 30
 Gln Pro Ser Gly Ser Val Lys Leu Arg Gly Met Gly His Leu Val Gly
 35 40 45
 Gln Ser Ile Asp Val Ala Arg Lys Leu Gly Lys Ser Asn Val Ala Val
 50 55 60
 Phe Ser Ser Ser Gly Gly Asn Ala Gly Leu Ala Ala Ala Tyr Ala Ser
 65 70 75 80

379

Gln Phe Phe Gly Val Ser Cys Thr Val Val Leu Pro Glu Ser Ser Lys
 85 90 95
 Pro Thr Val Ile Glu Lys Leu Lys Ser Leu Gly Ala Asp Val Ile Ile
 100 105 110
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 Cys Ser Val Gly Gly Gly Gly Leu Tyr Asn Gly Ile Val Glu Gly Leu
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 Ala Thr Phe His Glu Ala Val Lys Glu Gly Lys Val Val His Leu Gln
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 225 230 235 240
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 275 280 285
 His Arg Gln Asp Leu Leu Asn Lys Phe Gly Thr Leu Ser Pro Asp Asp
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<210> 377

<211> 2564

<212> DNA

<213> Candida albicans

<400> 377

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<210> 378

<211> 687

<212> PRT

<213> *Candida albicans*

<400> 378

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Phe Ala Val Ala Ala Val Ser Asp Asp Glu Ser Ser Thr Asp Asn Tyr

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384

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Phe Gly Gly Asn Gly Thr Ile Leu Ser Ile His Ser Asp Ile Thr Leu 115 120 125		
Pro Asn Ala Ala Tyr Ser Ser Ile Gly Gly Ile Cys Arg Thr Glu Gly 130 135 140		
Ile Gln Leu Leu Arg Asn Phe Tyr Ile Gln Gln Asn Glu Ser Ala Pro 145 150 155 160		
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<210> 381

<211> 1504

<212> DNA

<213> Candida albicans

<400> 381

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<210> 382

<211> 334

<212> PRT

<213> Candida albicans

<400> 382

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      50              55              60

Phe Trp Lys Lys Gly Glu Val Lys Phe Asn Asn Glu Thr Gln Lys Tyr
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Glu Ile Gln Leu Asp Gly Lys Thr Leu Arg Thr Pro Leu Gly Phe Pro
      85              90              95

Leu Glu Leu Pro Ile Asn Lys Lys Gln Leu Ala Tyr Leu Ile Ala His
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Glu Trp Thr His Leu Pro Asp Ile Lys Val Lys Ser Ser Thr Leu Pro
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Leu Thr Ala Leu Ala Thr Arg Ala Ile Asp Leu Ser Gln Gln His Leu
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386

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Glu Ile Tyr Arg Pro Leu Ile Asn Glu Phe Asn Glu Phe Phe Thr Ile	195	200	205
Tyr Ala His Asn Lys Asn Leu Ile Pro Arg Gln Lys Ser Ile Glu Leu	210	215	220
Lys Tyr Leu Asp Cys Glu Thr Asp Gly Leu Arg Gly Asn Lys Gln Asp	225	230	235
Glu Thr Thr Gln Leu Val Val Leu Asp Trp Leu Asn Gln Leu Pro Ile	245	250	255
Tyr Asp Leu Ile Ala Leu Glu Lys Thr Ile Leu Thr Thr Lys Ser Phe	260	265	270
Leu Cys Gly Ile Thr Leu Leu Arg Ser Asn Val Asn Asp Ile Glu Thr	275	280	285
Leu Lys Glu Leu Tyr Gln Phe Asn Lys Asn Ser Ile Asp Glu Asp Tyr	290	295	300
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<210> 383

<211> 3689

<212> DNA

<213> Candida albicans

<400> 383

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acaatccaaa	taccaatagc	aatatcagtg	gcagtggaag	tagaagtggg	agtggcagta	3660
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<210> 384

<211> 1062

<212> PRT

<213> Candida albicans

<400> 384

Met Asp Ser Asn Pro Cys Gln Asp Val Ser Gly Asp Thr Ser Ser Thr

388

1	5	10	15
Pro Met Ala Asn Asn Asn Pro Thr Asn Asp Ser Thr Ile Ser Ser Gln	20	25	30
Asn His Ser Lys Thr Gly Leu Arg Lys His Gln Gln Gln His Tyr His	35	40	45
Gln His Ser His Ser Gln Met His Ser His Ser Gln Gln Ser Pro Tyr	50	55	60
Ile Asn Gln Leu Glu Tyr Phe Thr Asn Asn Gln Phe Ser Arg Ser Phe	65	70	75
Asn Ser Leu Ile Leu Glu Asp Ala Asn Asp Ala Asn Thr Asn Asn Ser	85	90	95
Ser Thr Thr Thr Leu Asn Lys Lys Thr Ile Asn Lys Ser Pro Pro Phe	100	105	110
Asn Ile Lys Gln Asp Leu Leu Asn Asp Ser Ile Asp Thr Phe Leu Asp	115	120	125
Asn Ser Asn Thr Glu Thr Ile Glu Asp Gly Asp Val Thr Thr Thr Asp	130	135	140
Asp Asp His Asp Phe Asp Asp Glu Asp Ile Glu Asp Pro Glu Ala Val	145	150	155
Gln Tyr Thr Pro Thr Leu Asn Ile Leu Lys Ser Lys Lys Val Asp Ser	165	170	175
Phe Asn Ile Ile Ser Ser Lys His Arg Lys Ser Asn Ser Gln Ile Thr	180	185	190
Tyr Asn Ser His Val Arg Lys Pro Ser Glu Glu Asp Thr Ser Ser Ser	195	200	205
Met Ala Thr Ile Arg Leu Ser Asn Asn Ser Gln Ser Ser Ile Lys Arg	210	215	220
Ser Ser Lys Tyr Leu Asn Leu Ser Ile Asp Ser Asn Leu Lys Thr Val	225	230	235
Asp Gly Gly Lys Ile Pro Asp Glu Ile Asp Asp Ile Ser Leu Asn Glu	245	250	255
Ile Asp Val Ala Val Ala Pro Asn Asp Phe Ser Ser Pro Leu Ser Ala	260	265	270
Arg Lys Pro Asp Ile Phe Ala Ala Ile Thr Ala Ala Asn Gly Asn Ser	275	280	285
Asn Asn Gln Phe Lys Arg Pro His Lys Leu Val Ser Gln Ser Pro Ser	290	295	300
Pro Ser Ser Lys Asn Lys Phe Arg Ile Ser Ser Ser Thr Thr Ser Ser			

389

305	310					315					320				
Pro	Gln	Ser	Asn	Leu	His	Ser	Pro	Ser	Lys	Leu	Gly	Ser	Lys	Gly	Phe
				325					330					335	
Lys	Met	Phe	Lys	Asn	Ala	Asn	Arg	Asp	Ala	Ile	Met	Ser	Ser	Ser	Arg
			340					345					350		
Val	Met	Thr	Pro	Glu	Lys	Pro	Lys	Met	Val	Ser	Lys	Ile	Phe	Gly	Lys
		355					360					365			
Ser	Ala	Lys	Ile	Arg	Arg	Ala	Tyr	Thr	Pro	Thr	His	Thr	Ser	Thr	Pro
	370					375					380				
Met	Ala	Val	Ser	Ser	Leu	Asn	Pro	Pro	Ser	Ser	Ser	Thr	Ser	Asn	Ser
385					390					395					400
Thr	Thr	Ala	Ala	Ile	Thr	Ser	Thr	Ser	Pro	Ala	Ala	Asp	Glu	His	Tyr
				405					410					415	
Asp	Ile	Asp	Asn	Asp	Cys	Asp	Ser	Pro	Ser	Lys	Asn	Arg	Lys	Ser	Ser
			420					425					430		
Asn	Ile	Ser	Ala	Ser	Ser	Ile	Ile	Ile	Tyr	Gln	Asp	Glu	Asn	His	Ile
	435						440					445			
Lys	Ser	Asn	His	Ala	Arg	Lys	Ser	Ser	Asn	Pro	Ile	Pro	Tyr	Pro	Pro
	450					455					460				
Thr	Glu	Pro	Leu	Pro	Thr	Asn	Ile	Ser	Ala	Ser	Val	Ala	Glu	Thr	Gly
465					470					475					480
Lys	Gly	Ser	Thr	Thr	Thr	Lys	Ser	Asn	Leu	Ser	Lys	Gly	Cys	Pro	Leu
				485					490					495	
Phe	Asp	Asp	Lys	Glu	Asn	Lys	Ala	Ser	Tyr	Gln	Phe	Val	Lys	Pro	Leu
			500					505					510		
Gln	Thr	Ala	Phe	Asn	Ser	Ser	Gly	Leu	Val	Lys	Lys	Asn	Ser	Ile	Ser
		515					520					525			
Gly	Ser	Ser	Asp	Arg	Lys	Leu	Pro	Pro	Glu	Thr	Pro	Ile	Lys	Arg	Asn
	530					535					540				
Pro	Leu	Met	Ile	Leu	Asn	Thr	Asn	Lys	Val	Val	Pro	Pro	Tyr	Ser	Ser
545					550					555					560
Gly	Phe	Ala	Glu	Gly	Lys	Asp	Val	Met	Gly	Asp	Gln	His	Asp	Ile	Tyr
				565					570					575	
Ser	His	Ile	Pro	Cys	Gln	Asn	Gln	Arg	Phe	Pro	Gly	Ser	Val	Asn	Pro
			580					585					590		
Asn	Thr	Thr	Thr	Asn	Asn	Asn	Asn	Thr	Gln	Gln	His	His	Asp	Ser	Asp
		595					600					605			
Leu	Ser	Ile	Glu	Val	Gly	Arg	Asn	Asn	Ser	Tyr	Asp	Ala	Ser	Ser	Ser

391

915	920	925
Asp Leu Lys Pro Ala Asn Ile Phe Ile Thr Phe Glu Gly Ser Leu Lys		
930	935	940
Ile Gly Asp Phe Gly Leu Ala Thr Lys Leu Pro Ile Leu Glu Lys Asp		
945	950	955
Phe Asp Leu Glu Gly Asp Arg Asn Tyr Ile Ala Pro Glu Leu Ile Asn		
	965	970
Asp Lys Ile Tyr Thr Pro Phe Ala Asp Ile Phe Ser Leu Gly Leu Ile		
	980	985
Ile Leu Glu Ile Ala Ala Asn Ile Ile Leu Pro Asp Asn Gly Thr Pro		
	995	1000
Trp Arg Lys Leu Arg Ser Gly Asp Leu Ser Asp Ala Gly Arg Leu Ser		
	1010	1015
Ser Asp Asn Ile Ser Met Phe Leu Gln His Asn Pro Asn Thr Asn Ser		
	1025	1030
Asn Ile Ser Gly Ser Gly Ser Arg Ser Gly Ser Gly Ser Thr Gly Gly		
	1045	1050
Asn Gly Ser Ala Gly Asp		
	1060	

<210> 385

<211> 887

<212> DNA

<213> Candida albicans

<400> 385

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tgaattgtct gttgataaaa agaaaccgtg aaaaggaagt attgtgaaaa atcgattgat 180
atTTTTTTTT ttcctccttc ctactgtaa cagtagtaaa cacactagtt acaactgatg 240
acctgcata tataaatctt tctgaaaaaa tttttttccc tgtatttttg taattccttc 300
gctctttctc actcactcac acttattaat gaatgaaagg tttgggtgtc acaaactcca 360
ctaacaaaat ctactcctg tgccataaca cacacagacc cacacgcaa cctttctctc 420
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cagtctttta ttgggtgatt attataataa atggcagatg agaaatata tggataataa 600
accttgcaaa tgaaatcagt tgaccatttt gaaataatgg accattagca ataccagat 660
tgctggaaca aagacgagag aactagacaa ctcatagata atagaacatc catactaact 720
tactcatctt cttatagtct caaaaatcat tcagaactaa acaaaagtta gctaaggctc 780
aaaagcaaaa cagaccattg ccacaatgga tcagattgag aactgacaac aaaatcagat 840
acaatgctaa aagaagacac tggagaagaa ctaagttggg tatctaa 887

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<210> 386

<211> 51

<212> PRT

392

<213> Candida albicans

<400> 386

Met Pro Ser Gln Lys Ser Phe Arg Thr Lys Gln Lys Leu Ala Lys Ala
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Gln Lys Gln Asn Arg Pro Leu Pro Gln Trp Ile Arg Leu Arg Thr Asp
 20 25 30

Asn Lys Ile Arg Tyr Asn Ala Lys Arg Arg His Trp Arg Arg Thr Lys
 35 40 45

Leu Gly Ile
 50

<210> 387

<211> 893

<212> DNA

<213> Candida albicans

<400> 387

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 taaagttact tgatattctg aagaaagaaa atctagatgg aaaaaatttt tgcttgaaat 180
 ttttttttctc tgtttctgag agaaagggtt gcgtgtgggt ctgtgtgtgt ttaggcacag 240
 gagtgagatt ttgttagtgagg agtttgtaga caccaaacct ttcattcatt aataagtgtg 300
 agtgagtgag aaagagcgaa agaattacaa aaatacaggg aaaaaatttt tttcagaaag 360
 atttataata tgcagggtcat cagttgtaac tagtgtgttt actactgtta cagtgaggaa 420
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 tgccagctag acaattcggg tacgttatct taaccacttc tgctgggtatc atggaccacg 840
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<210> 388

<211> 130

<212> PRT

<213> Candida albicans

<400> 388

Met Thr Arg Thr Ser Val Leu Ala Asp Ala Leu Asn Ala Ile Asn Asn
 1 5 10 15

Ala Glu Lys Thr Gly Lys Arg Gln Val Leu Ile Arg Pro Ser Ser Lys
 20 25 30

Val Ile Ile Lys Phe Leu Thr Val Met Gln Lys His Gly Tyr Ile Gly
 35 40 45

Glu Phe Glu Tyr Ile Asp Asp His Arg Ser Gly Lys Ile Val Val Gln
 50 55 60

393

Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Gln Pro Arg Phe Asn
 65 70 75 80
 Val Lys Ile Asn Asp Ile Glu Arg Trp Thr Asp Asn Leu Leu Pro Ala
 85 90 95
 Arg Gln Phe Gly Tyr Val Ile Leu Thr Thr Ser Ala Gly Ile Met Asp
 100 105 110
 His Glu Glu Ala Arg Arg Lys His Val Ser Gly Lys Ile Leu Gly Phe
 115 120 125
 Val Tyr
 130

<210> 389
 <211> 4619
 <212> DNA
 <213> Candida albicans

<400> 389
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 cgcgttatat tacttatcct ttctgtaatt tcttgatctc tgtttgaatc aacaacgcct 180
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 aaaaaaaaaac atcaaaatta agattcaagc tttttttttt agttttttta acaacaaaat 360
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 caataattaa ttgaattatt ctataaacca ctgatatttg attttatctt tttatttttg 480
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<210> 390

<211> 1372

<212> PRT

<213> Candida albicans

<400> 390

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Met Pro Asp Asn Ile Glu Asp Arg Ser Glu Ile Pro Ser Asp Ala Lys
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Glu Ile Val Thr Thr Asn Glu Ile Glu Ala Thr Asp Ser Glu His Thr
      20             25             30

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610					615					620					
Thr	Ile	Asn	Asn	Thr	Ser	Tyr	Ile	Lys	Ile	Phe	Pro	Ser	Ser	Glu	Leu
625					630					635					640
Lys	Lys	Glu	Gln	Val	Leu	Gln	Arg	Pro	Gln	Glu	Asp	Leu	Glu	Leu	Val
				645					650						655
Phe	Asn	Ser	Asp	Ile	Glu	Leu	Asp	Asp	Asn	Ile	Ile	Pro	Glu	Thr	Pro
			660					665					670		
Thr	Lys	Lys	Ser	Leu	Leu	Pro	Asn	Gln	His	His	Gln	His	His	Leu	Pro
			675				680					685			
Leu	Tyr	Thr	Gln	Ser	Lys	Ser	Pro	Leu	Leu	Lys	Phe	Asp	Thr	Glu	Lys
	690					695					700				
Asp	Gly	Arg	Arg	Asn	Leu	Ser	Ile	Val	Leu	Asp	Lys	Ser	Asn	Ala	Thr
705					710					715					720
Lys	Arg	Glu	Ile	Ser	Glu	Pro	Pro	Ser	Thr	Pro	Ile	Asn	Met	Ser	Phe
				725					730						735
Ala	Lys	Asn	Ser	Phe	Lys	Lys	Pro	Met	Asn	Asn	Ala	Glu	Arg	Gly	Asp
			740					745					750		
Asp	Pro	Asp	Ser	Ile	Ile	Ala	Gln	Arg	Ile	Asp	Ile	Met	Pro	Ser	Leu
		755					760					765			
Asp	Glu	Val	Asp	Ser	Val	Ser	Val	Tyr	Pro	Ser	Lys	Ile	Asp	Glu	His
	770					775					780				
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785					790					795					800
Ala	Phe	Ser	Ile	Ala	Phe	Glu	Cys	Leu	Phe	Asn	Asn	Glu	Lys	Phe	Ala
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			820					825						830	
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		835					840					845			
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	850					855					860				
Val	Tyr	Phe	Ile	Glu	Ala	Trp	Asp	Phe	Asn	Asn	Tyr	Tyr	Tyr	Ile	Met
865					870					875					880
Thr	Glu	Phe	Cys	Glu	Gly	Gly	Thr	Leu	Phe	Asp	Phe	Leu	Glu	Glu	Asn
				885					890					895	
Lys	His	Tyr	Lys	Ile	Asp	Glu	Phe	Arg	Ile	Trp	Lys	Ile	Leu	Ile	Glu
			900					905					910		
Ile	Leu	Asn	Gly	Leu	Lys	Phe	Ile	His	Ser	Lys	Asn	Tyr	Leu	His	Leu

395

Thr Asn Val Asp Asn Glu Leu Pro Gln Gly Glu Ser Asn Glu Gln Thr
 35 40 45
 Gly Asp Asp Ser Asn Asp Asn Leu Ala Ser Lys Arg Gln Leu Ile Asn
 50 55 60
 Asp Leu Leu His Asn Asp His Phe Glu Glu Gly Thr Glu Arg Tyr Ile .
 65 70 75 80
 Ile Pro Gln Asn Phe Leu His Glu Phe Leu Asn Leu Pro Ile Asp Asn
 85 90 95
 Phe Ser Asp Leu Lys Asp Gln Leu Gly Pro Ile Asp Phe His Ser Leu
 100 105 110
 Leu Asn Glu Gln Gly Asn Leu Tyr Pro Glu Asn Glu Glu Pro Val Thr
 115 120 125
 Phe Cys His Val Ser Pro Glu Val Phe Gln His Leu Gly Glu Trp Phe
 130 135 140
 Gly Ile Leu Gly Gln Pro Ile Ile Arg Ala Ile Ile Ile Asn Pro Asp
 145 150 155 160
 Thr Lys Glu Lys Gln Ile Glu Arg Phe Pro Pro Leu Phe Trp Val His
 165 170 175
 Gln Leu Gly Lys Lys Thr Gln Pro Thr Tyr Leu Arg His Arg His Asn
 180 185 190
 Gly Ser Asn His Asn His His His His Gly His His Asp Ser Pro Ile
 195 200 205
 Pro Val Leu Leu Ser Lys Thr Ser Thr Phe His Arg Leu Met Asp Val
 210 215 220
 Ile Arg Tyr Asn Val Leu Lys Ala Pro Arg Lys Ser Thr Lys Asp Phe
 225 230 235 240
 Arg Ile Trp Phe Ile Val Pro Gln Asp Lys Gly Leu Gln Tyr Leu Ile
 245 250 255
 Ser Ile Gln Thr Phe Met Phe Asp Ile Ser Lys Lys Thr Leu Val Ser
 260 265 270
 Pro Asn Met Leu Glu Asp Ala Leu Lys Asp His Gly Ile Val Ala Ser
 275 280 285
 Ser Tyr Asn Ile Met Val Glu Ala Lys Glu Lys His Gln Thr Glu Phe
 290 295 300
 Pro Ile Asp Gln Phe Ile Leu Ser His Ser Asn Ala Tyr Glu Glu Val
 305 310 315 320
 Ser Gln Gly Gly Gly His Leu Gly Leu Ser Asn Met Gly Asn Thr Cys
 325 330 335

Tyr Met Asn Ser Ala Leu Gln Cys Leu Leu His Val Pro Glu Ile Asn
 340 345 350
 Tyr Tyr Phe Phe Tyr Asn Ile Tyr Lys Lys Glu Leu Asn Phe Asp Asn
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 Pro Leu Gly Tyr His Gly Asp Val Ala Asn Ala Phe Gly Ser Leu Leu
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 Lys Gln Ala Phe Asp His Val Lys Asn Ser Ser Ser Ile Ser Pro Arg
 385 390 395 400
 Glu Phe Lys Ser Thr Ile Gly Arg Tyr Ser Ser Met Phe Ser Gly Tyr
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 His Glu Asp Leu Asn Arg Ile His Gln Lys Pro Tyr Cys Glu Lys Pro
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 Glu Leu Lys Asp Asp Glu Ile Asp Asp Pro Gln Ala Ile Thr Lys Leu
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 Ala Asn Thr Cys Trp Asn Gln His Lys Ala Arg Asn Asp Ser Val Ile
 465 470 475 480
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 Cys Gly Lys Lys Ser Ile Thr Phe Asp Pro Phe Asn Asp Leu Thr Leu
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 Pro Leu Pro Ile Ser Lys Lys Trp Tyr His Thr Phe Thr Ile Val Asp
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 Asn Phe Leu Asn Val Pro Ser Thr Glu Leu Phe Ala Tyr Glu Ile Phe
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 Gln Asn Ala Ile Tyr Ser Asp Phe Gln Leu Asp Tyr Thr Lys Asn Lys
 580 585 590
 Phe Leu Pro Ile Ser Asp Ile Ile Arg Asp Thr Asp Asp Val Ile Val
 595 600 605
 Tyr Ile Val Pro His Asn Pro Ala Val Asp Ile Ile Val Pro Val Phe
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 Asn Ala Val Glu Asp Ala Asp Ser Ser Tyr Gln Met Val Asn Phe Phe
 625 630 635 640

Gly Ile Pro Leu Phe Val Val Met Asn Lys Glu Val Asp Val Asn Ser
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 660 665 670
 Lys Ile Asp Leu Val Asp Glu Tyr Glu Lys Ile Lys Arg Ser Asn Glu
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 Asp Tyr Val Glu Lys Val Phe Tyr Lys Lys Ser Asp Phe Pro Ala Leu
 690 695 700
 Ser Gln Pro Leu Glu Thr Ser Asp Cys Glu Lys Asn Asn Asn Asn Thr
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 Ser Asp Asn Asp Asp Asp Glu Asp Ala Asp Asn Asp Glu Gly Tyr Asp
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 Ser Glu Val Ser Leu Ala Asn Pro Tyr Leu Gly Ala Asn Phe Gly Phe
 740 745 750
 Lys Ile Met Tyr Val His Asp Tyr Ser Pro Lys Leu Asn Ser Asn Leu
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 Arg Ser Arg Tyr Asn His Asp Gln Thr Thr Lys Phe Lys Gln Thr Glu
 770 775 780
 Arg Val Ile Asn Val Pro Thr His Lys Pro Thr Phe Ser Asp Phe Lys
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 Ile Pro Ser Ser Asp Glu Glu Thr Glu Ser Glu Ala Asn Leu Gly Ser
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 Ser Glu Ser Thr Lys Pro Ser Asn Val Asn Ser Pro Met Glu Ser Asn
 930 935 940

398

Phe Glu Ser Ser Ser Ala Asp Leu Asn Ser Gly Thr Thr Leu Ile Ser
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 Lys Asp Thr Val Leu Leu Cys Asp Trp Asp Lys Glu Ile Tyr Gln Lys
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 Cys Phe Gly Asp Lys Glu Leu Gln Ala Trp Glu Asn Ile Ser Asn Leu
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 Pro Asn Pro Glu Leu Glu Lys Asn Arg Ala His Phe Glu Arg Gln Arg
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 Lys Ala Lys Ile Thr Leu Ser Asp Cys Leu Lys Ser Phe Ser Thr Pro
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 Glu Ile Leu Gly Glu His Asp Leu Trp Tyr Cys Pro Arg Cys Thr Glu
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 His Lys Arg Ala Thr Lys Thr Ile Gln Leu Trp Ser Thr Gly Asp Ile
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 Lys Ile Asp Val Leu Val Asp Phe Pro Ile Glu Gly Leu Asp Ile Ser
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 Ser Tyr Val Ala Asn Thr Asp Leu Thr Pro Glu Asp Cys Leu Tyr Asp
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 Leu Ile Ala Val Asp Asn His Tyr Gly Gly Leu Gly Gly Gly His Tyr
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 Thr Ala Ser Val Lys Asn Phe Arg Asp Asp Lys Trp Tyr Tyr Phe Asn
 1125 1130 1135
 Asp Ser Arg Val Thr Glu Ile Asn Asn Pro Gln Glu Val Val Ala Asn
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 Ser Ala Tyr Leu Leu Phe Tyr Arg Arg Arg Ser Ser Lys Gly Ala Gly
 1155 1160 1165
 Ile Leu Gly Gly Glu Asn Phe Ile Asp Leu Leu Gln Lys Gly Arg Glu
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 Glu Tyr Ser Glu Ser Leu Gln Lys Lys Arg Leu Val Leu Gln Asn Val
 1185 1190 1195 1200
 Gly Gln Ile Val Asn Thr Tyr Ala Lys Ile Glu Gln Asp Ile Ile Asp
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 Lys Glu Thr Glu Lys Gln Lys Glu Glu Gln Glu Gln Glu Gln
 1220 1225 1230
 Glu Gln Glu Gln Glu Gln Glu Gln Glu Glu Pro Val Gln Glu Pro
 1235 1240 1245

399

Asp Gln Glu Gln Glu Pro Asp Gln Glu Pro Asp Gln Asp Gln Asp Gln
 1250 1255 1260

Glu Pro Asp Gln Glu Pro Asp Gln Asp Gln Glu Gln Asn Glu Thr Ile
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Lys Lys Ser Arg Pro Phe Asp Glu Leu Lys Pro Ser Thr Ser Glu Thr
 1285 1290 1295

Asn Asn Gln Gln Gln Thr Thr Gln Phe Asn Phe Asp Asp Glu Asp Asn
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Asp Tyr Asp Tyr Glu Ala Glu Val Glu Asp Ser Asn Ile Arg Lys Gln
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Arg Leu Leu Ser Lys Glu Asn Asn Ser Asn Lys Leu Val His Ile Lys
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Ser Asn Gly Arg Gln Glu Val Thr Ser Ser Pro Val Pro Ile Glu Thr
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Asp Gly Asp Thr Asp Val Thr Asp Ser Asn Ser Thr
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<210> 391

<211> 2693

<212> DNA

<213> Candida albicans

<400> 391

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400

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<210> 392

<211> 896

<212> PRT

<213> Candida albicans

<400> 392

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Ser Ile Asn Tyr Gly Ser Glu Trp Asp Leu Glu Ile Ile Gln Thr Ser
      20                      25                      30

Leu Asp Asn Glu Lys Glu Ser Glu Thr Lys Ser Phe Thr Gly Glu Leu
      35                      40                      45

Glu Tyr Thr Ser Thr Ser Ser Asn Gly Glu His Asp Thr Thr Thr Thr
      50                      55                      60

Ala Thr Lys His Glu Leu Ile Leu Gln Gln Ile Leu Asn Ser Asn Asp
      65                      70                      75                      80

Glu Ser Tyr Ile Asn Pro Lys Ser Leu Thr Phe Asp Pro Leu Lys Ile
      85                      90                      95

Phe Thr Lys Gln Leu Ile Gly Glu Leu Ile Lys Ile Asn Gln Phe Tyr
      100                     105                     110

Asn Ser Lys Glu Ser Glu Ile Phe Lys Ile Tyr Asn Asn Leu Ile His
      115                     120                     125

Asp Leu Gln Asn Gln Asn Ile Asn Ile Asp Asp Val Phe Lys Phe Thr
      130                     135                     140

Gln Ala Tyr Asn Tyr Ser Asp Pro Asn Ile Ile Asn Thr Asp Asp His

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401

145		150		155		160
His Gln Tyr His	Leu Lys Ser Thr	Leu Ser Arg Thr	Val Thr Asn Ala			
	165	170	175			
Ser Val Phe Asp	Thr Ile Asn His	Ile Asp Asn Asp	Tyr Asp Asn Asn			
	180	185	190			
Asn Asn Asn Gln	Lys Asn Asn Tyr	Asp Leu Glu Lys	Gln Asn Asn Thr			
	195	200	205			
Thr Val Ala Ile	His Asp Asp Asp	Ser Glu Asp Asp	Glu Glu Glu			
	210	215	220			
Glu Glu Glu Glu	Thr His Ser His	Asp Ser Val Leu	Leu Asn His Thr			
	225	230	235			240
His Phe Asn Val	Lys Gln Gln Leu	Lys Ile Thr Leu	Lys Arg Lys Ala			
	245	250	255			
Ile Thr Leu Phe	Ile Asn Leu Ser	Glu Leu Lys Ser	Phe Ile Glu Leu			
	260	265	270			
Asn Arg Ile Gly	Phe Thr Lys Ile	Cys Lys Lys Phe	Asp Lys Thr Cys			
	275	280	285			
Gly Tyr Ser Ile	Lys Gln Asp Phe	Ile Asn Glu Phe	Leu Pro Gln Tyr			
	290	295	300			
Ser Arg Val Phe	Glu Asn Asp Thr	Ile Glu Glu Leu	Asp Tyr Lys Leu			
	305	310	315			320
Asn Gln Ile Ile	Lys Ile Tyr Ala	Phe Leu Ser Asn	Lys Leu Thr Thr			
	325	330	335			
Gln Ser Thr Thr	Lys Glu Asp Leu	Asp Asn Ile Lys	Phe Glu Leu Arg			
	340	345	350			
Ser Tyr Leu Arg	Asp His Ile Val	Phe Glu Arg Asn	Thr Val Trp Lys			
	355	360	365			
Asp Leu Leu Ser	Leu Glu Lys Lys	Ser Tyr Asn Ile	Asp Leu Asp Asn			
	370	375	380			
Ser Val Val Gln	Asn Asn Lys Met	Gly Asp Glu Gly	His Ile Ile Asn			
	385	390	395			400
Ser Met Met Asn	Leu Ser Met Lys	Arg Ile Asn Leu	Pro Gln Cys Leu			
	405	410	415			
Lys Lys Leu Ile	Lys Tyr Asp His	Ile Asp Ile Pro	Gln Phe Leu Leu			
	420	425	430			
Thr Thr Gln Met	Leu Lys Ile Ile	Ile Ile Val Ile	Val Phe Ile Ile			
	435	440	445			
Leu Leu Ala Val	Lys Thr Phe Asn	Asp Pro Val Gln	Gly Arg Cys Leu			

402

450				455				460							
Ala	Val	Leu	Val	Ala	Ala	Ala	Met	Leu	Trp	Ala	Ser	Glu	Ala	Leu	Pro
465					470					475					480
Leu	Tyr	Thr	Thr	Ala	Leu	Leu	Ile	Pro	Leu	Leu	Val	Val	Thr	Cys	Lys
				485					490					495	
Val	Cys	Lys	Thr	Pro	Gly	Thr	Asp	Asp	Pro	Met	Asp	Ala	Thr	Lys	Ala
			500					505					510		
Ser	Gln	Tyr	Ile	Phe	Gly	Thr	Met	Trp	Asn	Ser	Thr	Ile	Met	Ile	Leu
		515					520					525			
Ile	Gly	Gly	Phe	Thr	Leu	Ala	Ala	Ala	Leu	Ser	Lys	Tyr	Asn	Leu	Ala
	530					535					540				
Lys	Ile	Leu	Ser	Ser	Tyr	Ile	Leu	Ala	Leu	Ala	Gly	Thr	Asn	Pro	Arg
545					550					555					560
Asn	Val	Leu	Leu	Ala	Ile	Met	Cys	Val	Ser	Leu	Phe	Leu	Ser	Met	Trp
				565					570					575	
Ile	Ser	Asn	Val	Ala	Ala	Pro	Val	Leu	Cys	Phe	Ser	Leu	Ile	Gln	Pro
			580					585					590		
Val	Leu	Arg	Ser	Ile	Pro	Thr	Asp	Ser	Pro	Val	Ala	Lys	Ala	Leu	Val
		595					600					605			
Leu	Gly	Ile	Ala	Leu	Ala	Ser	Asp	Val	Ala	Gly	Met	Ala	Ser	Pro	Ile
	610					615					620				
Ala	Ser	Pro	Gln	Asn	Val	Ile	Ala	Leu	Glu	Ser	Met	Asn	Pro	Asn	Pro
625					630					635					640
Gly	Trp	Gly	Lys	Trp	Phe	Ala	Val	Ala	Leu	Pro	Val	Ala	Ile	Ile	Ser
				645					650					655	
Leu	Ile	Leu	Ile	Trp	Val	Glu	Leu	Phe	Met	Thr	Phe	Lys	Ile	Asn	Asn
			660					665					670		
Val	Lys	Ile	Lys	Gln	Phe	Lys	Pro	Ile	Lys	Glu	Lys	Leu	Thr	Met	Lys
		675					680					685			
Gln	Trp	Phe	Val	Phe	Ala	Val	Thr	Ile	Thr	Thr	Ile	Leu	Leu	Trp	Cys
	690					695					700				
Val	Met	Gln	Lys	Ile	Asp	Gly	Thr	Phe	Gly	Glu	Ser	Gly	Ile	Ile	Thr
705					710					715					720
Cys	Ile	Pro	Ile	Val	Leu	Phe	Phe	Gly	Thr	Gly	Leu	Leu	Lys	Val	Asp
				725					730					735	
Asp	Leu	Asn	Asn	Tyr	Pro	Trp	Ser	Ile	Val	Met	Leu	Ala	Met	Gly	Gly
			740					745					750		
Ile	Ala	Leu	Gly	Lys	Ala	Val	Thr	Ser	Ser	Gly	Leu	Leu	Lys	Thr	Ile

403

755	760	765
Ala Leu Ala Leu Gln Lys Arg Ile Met His Tyr Asp Ala Ile Val Val 770 775 780		
Leu Ile Ile Phe Gly Ala Leu Ile Leu Val Val Ala Thr Phe Val Ser 785 790 795 800		
His Thr Val Ser Ala Leu Ile Ile Ile Pro Leu Val Lys Glu Val Gly 805 810 815		
Asp Ser Leu Pro Lys Pro His Pro Leu Met Leu Ile Met Gly Val Ala 820 825 830		
Leu Ile Ala Ser Gly Ala Met Gly Leu Pro Thr Ser Gly Phe Pro Asn 835 840 845		
Val Thr Ala Ile Gly Met Arg Asp Glu Val Gly Lys Pro Tyr Leu Thr 850 855 860		
Val Asn Leu Phe Ile Thr Arg Gly Val Pro Ala Ser Ile Ile Val Tyr 865 870 875 880		
Val Cys Ile Ile Thr Ile Gly Tyr Gly Ile Met Ser Ser Leu Asn Phe 885 890 895		

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 <211> 2279
 <212> DNA
 <213> Candida albicans

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<210> 394

<211> 592

<212> PRT

<213> Candida albicans

<400> 394

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      20              25              30

Pro Ser Glu Pro Asn Ser Gln Pro Gln Gln Gln Gln Ser Gln Pro Glu
      35              40              45

Ala Lys Thr Glu Pro Gln Thr Ile Arg Pro Ala Thr Phe Thr Thr Ser
      50              55              60

Gly Asn Ser Ser Ser Ser Ser Ile Ser Thr Leu Ser Ala Asp Ile Ile
      65              70              75              80

Gln Pro Leu His Gln Leu Ser Ile Asn Asn Asn Asn Ser Thr Val Thr
      85              90              95

Gln Pro Ala Pro Gln Ser Ser Ser Phe Gln Arg Arg Asn Asn Pro Gln
      100              105              110

Arg Phe Asn Arg Asn Gln Leu Asn Val Tyr Thr Asp Phe Asn Ser Thr
      115              120              125

Thr Ser Ser Ala Ser Ser Ile Ser Ser Ser Pro Lys Asp Phe Phe Thr
      130              135              140

Arg Glu Pro Pro Arg Ile His Ser Lys Leu Ile Cys Glu Glu Ile Ala
      145              150              155              160

Ser Ala Asn Asn Arg Ala Ala Lys Glu Val Leu Ser Arg Leu Ser Thr

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405

165										170					175				
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			180					185					190						
Asn	Gly	Val	Arg	Met	Leu	Ala	Lys	Asn	Leu	Ser	Arg	Ala	Thr	Ile	Gln				
		195					200					205							
Leu	Asp	Val	Arg	Ala	Ile	Met	Ile	Ile	Thr	Lys	Ala	Arg	Asp	Asn	Gly				
	210					215					220								
Leu	Ile	Tyr	Leu	Thr	Lys	Glu	Val	Val	Glu	Trp	Ile	Leu	Asp	Gln	His				
	225				230				235					240					
Pro	His	Ile	Thr	Ile	Tyr	Ala	Asp	Glu	Lys	Leu	Ala	Lys	Ser	Lys	Arg				
			245					250						255					
Phe	Asn	Pro	Glu	Ser	Ile	Ile	Ala	Asn	Tyr	Pro	Asn	Gly	Cys	Lys	Lys				
			260					265					270						
Leu	Lys	Tyr	Trp	Asn	Lys	Lys	Leu	Thr	Thr	Lys	Asn	Pro	Glu	Ile	Phe				
		275					280					285							
Asp	Leu	Val	Leu	Thr	Leu	Gly	Gly	Asp	Gly	Thr	Val	Leu	Phe	Ala	Ser				
	290					295					300								
Asn	Leu	Phe	Gln	Lys	Ile	Val	Pro	Pro	Ile	Leu	Ser	Phe	Ser	Leu	Gly				
	305				310				315						320				
Ser	Leu	Gly	Phe	Leu	Thr	Asn	Phe	Glu	Phe	Ser	Ala	Phe	Arg	Thr	Val				
			325					330						335					
Leu	Ser	Lys	Cys	Phe	Asp	Ser	Gly	Val	Lys	Ala	Asn	Leu	Arg	Met	Arg				
			340					345					350						
Phe	Thr	Cys	Arg	Val	His	Thr	Asp	Glu	Gly	Lys	Leu	Ile	Cys	Glu	Gln				
		355					360					365							
Gln	Val	Leu	Asn	Glu	Leu	Val	Val	Asp	Arg	Gly	Pro	Ser	Pro	Tyr	Val				
	370					375					380								
Thr	His	Leu	Glu	Leu	Tyr	Gly	Asp	Gly	Ser	Leu	Leu	Thr	Val	Ala	Gln				
	385				390				395						400				
Ala	Asp	Gly	Leu	Ile	Ile	Ala	Thr	Pro	Thr	Gly	Ser	Thr	Ala	Tyr	Ser				
			405					410						415					
Leu	Ser	Ala	Gly	Gly	Ser	Leu	Val	His	Pro	Gly	Val	Ser	Ala	Ile	Ser				
			420					425					430						
Val	Thr	Pro	Ile	Cys	Pro	His	Thr	Leu	Ser	Phe	Arg	Pro	Ile	Leu	Leu				
		435					440					445							
Pro	Asp	Gly	Met	Phe	Leu	Lys	Val	Lys	Val	Pro	Ser	Ser	Ser	Arg	Ala				
	450					455					460								
Thr	Ala	Trp	Cys	Ser	Phe	Asp	Gly	Lys	Val	Arg	Thr	Glu	Leu	Lys	Lys				

406

465	470	475	480
Gly Tyr Tyr Val Thr Ile Gln Ala Ser Pro Phe Pro Leu Pro Thr Val			
	485	490	495
Met Ser Ser Lys Thr Glu Tyr Ile Asp Ser Val Ser Arg Asn Leu His			
	500	505	510
Trp Asn Ile Arg Glu Gln Gln Lys Pro Phe Ser Ser Tyr Leu Lys Pro			
	515	520	525
Glu Thr Arg Gln Ser Ile Ala Glu Ser Glu Arg Leu Asp Asn Leu His			
	530	535	540
Ile Ser Ser Glu Gln Asp Glu Ser Asn His Glu Glu Pro Glu Ile Thr			
	545	550	555
Glu Asp Phe Asp Ile Asn Tyr Thr Asp Asn Glu Arg Asp Ser Ser Ser			
	565	570	575
Ser Thr Pro Ser Glu Glu Ser Asn Glu Glu Cys Ala Asn Thr Thr Thr			
	580	585	590

<210> 395
 <211> 1042
 <212> DNA
 <213> Candida albicans

<400> 395
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 cacaacaaac catatgttta caaaaccaga ccagatggta tgaacatcat caacattgggt 180
 aaaacttggg aaaaaattgt tttggctgcc agaattattg ctgctgttcc aaacgcttct 240
 gatgttgctg tttgttcttc aagaactttc ggtcaaagag ctgttttgaa atttgctgct 300
 cacactgggt ctactgccat tgctggtaga ttcactccag gtaactttac caattatatc 360
 actcgttcat tcaaagaacc aagattagtt gttgttactg acccaagaac cgatgctcaa 420
 gccatcaaag aatcatctta tgtaacatt ccagttattg ccttgactga catgcagtct 480
 ccatctgaat acgttgatgt tgccattcca tgtaacaaca aaggtaaaca ctgtattgggt 540
 ttaactctgg gggtgcttgc tagagaagtc ttgagattaa gaggtattat ccagacaga 600
 actaccgaat ggtcagttat gccagatttg tacttctaca gagaccaga agaaattgaa 660
 caaaatgccg tcgaagaagc taaaactgaa ggagttgaag gagctccagt tgctgaagct 720
 gaaaccgaat ggactgggtga aactgaagat gttgattggg ctgattctgg tgctaccccc 780
 agctgctgaa gatgctgctg cttctatctg gtaaacactg aaatctacca ataagaagta 840
 gaagtagaag tagaagaaga aacaataaca acaataacaa ccaaaataaa aaaaaggttt 900
 aatgatgtat attatcgata aggagaaaga agagattttc ttttttaata atgaggatgc 960
 catttttatac aaatccaaaa ttgtaattaa gaaagattaa taaatataaa atatatatat 1020
 ataagtaaaaa aaaaaaaaaa aa 1042

<210> 396
 <211> 253
 <212> PRT

<213> Candida albicans

<400> 396

Met Ser Leu Pro Ala Ser Phe Asp Leu Thr Pro Glu Asp Ala Lys Leu
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 Leu Leu Ala Ala Asn Val His Leu Gly Ala Lys Asn Val Gln Val His
 20 25 30
 Asn Lys Pro Tyr Val Tyr Lys Thr Arg Pro Asp Gly Met Asn Ile Ile
 35 40 45
 Asn Ile Gly Lys Thr Trp Glu Lys Ile Val Leu Ala Ala Arg Ile Ile
 50 55 60
 Ala Ala Val Pro Asn Ala Ser Asp Val Ala Val Cys Ser Ser Arg Thr
 65 70 75 80
 Phe Gly Gln Arg Ala Val Leu Lys Phe Ala Ala His Thr Gly Ala Thr
 85 90 95
 Ala Ile Ala Gly Arg Phe Thr Pro Gly Asn Phe Thr Asn Tyr Ile Thr
 100 105 110
 Arg Ser Phe Lys Glu Pro Arg Leu Val Val Val Thr Asp Pro Arg Thr
 115 120 125
 Asp Ala Gln Ala Ile Lys Glu Ser Ser Tyr Val Asn Ile Pro Val Ile
 130 135 140
 Ala Leu Thr Asp Met Gln Ser Pro Ser Glu Tyr Val Asp Val Ala Ile
 145 150 155 160
 Pro Cys Asn Asn Lys Gly Lys His Cys Ile Gly Leu Ile Trp Trp Leu
 165 170 175
 Leu Ala Arg Glu Val Leu Arg Leu Arg Gly Ile Ile Pro Asp Arg Thr
 180 185 190
 Thr Glu Trp Ser Val Met Pro Asp Leu Tyr Phe Tyr Arg Asp Pro Glu
 195 200 205
 Glu Ile Glu Gln Asn Ala Val Glu Glu Ala Lys Thr Glu Gly Val Glu
 210 215 220
 Gly Ala Pro Val Ala Glu Ala Glu Thr Glu Trp Thr Gly Glu Thr Glu
 225 230 235 240
 Asp Val Asp Trp Ala Asp Ser Gly Ala Thr Pro Ser Cys
 245 250

<210> 397

<211> 1335

<212> DNA

<213> Candida albicans

<400> 397

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tctgacaacg agtacaatga aggtgctatg agtttggcgg tggctttggc acggtacttt 180
acaaagatgt cgatctgggtc gaaaaacatt atttttgtat ttcctgagac gggccacaga 240
ccgttgaggt cgtgggttga ggcataccat acggtggttg acgatactgc ggggtcgtat 300
gaggcggcga ttattatgga gtacggcaag aacggtgatt attttgagta ttacgatatg 360
ttctacgaag ggttgaatgg gcagttgccg aatttggact tgttgaatac ggccaatgta 420
atgacgtatc atgaacagat cccctgtgcc atgcaaggga tgtcggatag gggttatcaat 480
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gaccggttgg tcaactgctg gtcggacata cagtgttggg catggtttat cgttgttttg 1260
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<210> 398

<211> 444

<212> PRT

<213> Candida albicans

<400> 398

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Ser Gly Leu Gln Ile Ser Ser Met Lys Ile Gly Phe Ala Thr Asn Thr
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Leu Tyr Ala Ile Met His Ala Pro Arg Gly Glu Asn Thr Glu Ala Met
      20              25              30

Ala Leu Val Val Pro Trp Thr Asn Ser Asp Asn Glu Tyr Asn Glu Gly
      35              40              45

Ala Met Ser Leu Ala Val Ala Leu Ala Arg Tyr Phe Thr Lys Met Ser
      50              55              60

Ile Trp Ser Lys Asn Ile Ile Phe Val Phe Pro Glu Thr Gly His Arg
      65              70              75              80

Pro Leu Arg Ser Trp Val Glu Ala Tyr His Thr Val Leu Asp Asp Thr
      85              90              95

Ala Gly Ser Ile Glu Ala Ala Ile Ile Met Glu Tyr Gly Lys Asn Gly
      100              105              110

Asp Tyr Phe Glu Tyr Tyr Asp Met Phe Tyr Glu Gly Leu Asn Gly Gln
      115              120              125

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Leu	Pro	Asn	Leu	Asp	Leu	Leu	Asn	Thr	Ala	Asn	Val	Met	Thr	Tyr	His
	130					135					140				
Glu	Gln	Ile	Pro	Cys	Ala	Met	Gln	Gly	Met	Ser	Asp	Arg	Val	Ile	Asn
145					150					155					160
Tyr	Ser	Thr	Arg	Leu	Gln	Thr	Leu	Phe	Arg	Gly	Ile	Leu	Lys	Leu	Thr
				165					170					175	
Leu	Val	Gly	Leu	Thr	Asp	Glu	Val	His	Gly	Cys	Glu	Ala	Phe	Ser	Gly
			180					185					190		
Trp	Gln	Ile	Gln	Ala	Phe	Thr	Ile	Lys	Val	Arg	Gly	Thr	Glu	Gly	Lys
	195						200					205			
Asp	Val	Thr	Gln	Phe	Gly	Arg	Ile	Val	Asp	Ser	Thr	Phe	Arg	Ser	Val
	210					215					220				
Asn	Asn	Leu	Leu	Glu	Lys	Phe	His	Gln	Ser	Phe	Phe	Phe	Tyr	Leu	Met
225					230					235					240
Leu	Ser	Pro	Lys	His	Phe	Val	Ser	Ile	Gly	Thr	Tyr	Leu	Pro	Ser	Ala
				245					250					255	
Ile	Leu	Leu	Ala	Val	Ser	Tyr	Ala	Leu	Ser	Ser	Val	Ser	Ala	Val	Val
			260					265					270		
Val	Ala	Gly	Phe	Asp	Phe	Arg	Lys	Leu	Tyr	Phe	Val	Val	Val	Val	Glu
		275					280					285			
Ile	Ala	Cys	Ala	Ile	Leu	Ala	Phe	Val	Pro	Val	Asn	Gln	Val	Met	Leu
	290					295					300				
Val	Ala	Ile	Ser	Ala	Val	Val	Leu	Leu	Pro	Arg	Gln	Ala	Ile	Phe	Ser
305					310					315					320
Lys	Gln	Ala	Ala	Phe	Ser	Leu	Ile	Ser	Ile	Ala	Leu	Leu	Ala	Val	Ala
				325					330					335	
Leu	Leu	Ile	Thr	Ala	Leu	Leu	Ile	Val	His	Phe	Ala	Leu	Ala	Phe	Ser
			340					345					350		
Ile	Gly	Ile	Leu	Ala	Leu	Pro	Leu	Thr	Phe	Val	Pro	Thr	Leu	Met	Lys
		355					360					365			
Asn	Lys	Ser	Arg	Leu	Thr	Ala	Phe	Cys	Leu	Ala	Val	Ser	Asn	Pro	Phe
	370					375					380				
Phe	Val	Ile	Phe	Val	Ala	Gly	Lys	Val	Leu	Gly	His	Pro	Glu	Leu	Phe
385					390					395					400
Asp	Arg	Leu	Val	Thr	Ala	Trp	Ser	Asp	Ile	Gln	Cys	Trp	Thr	Trp	Phe
				405					410					415	
Ile	Val	Val	Leu	Gly	Trp	Phe	Pro	Ala	Trp	Val	Ile	Ile	Thr	Leu	Ser
			420					425					430		

410

Tyr Cys Gly Tyr Lys Pro Val Lys Glu Lys Ser Glu
 435 440

<210> 399
 <211> 1190
 <212> DNA
 <213> Candida albicans

<400> 399
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 ttttgctata tcctagttgc cttaacgaca gtaatagtta aagcgttggg aagtaatggt 180
 gaactcgaac catttggttg acgctgacga ttaataatgt gaatttcttt ttcttttttg 240
 gttgtagtaa ttgctttggt ttgttgctta aattaggaaa atgtcgtgac cttacgtaca 300
 gcacacacat accactgtcg tgcactgacc aacaacaatg cgggtgttaat cgataaccaa 360
 aagattataa ataggggggtg gaagggtcgcc actgtttgaa atgaatcaac acagtttttt 420
 ttcttcttgc tttttctttc tattttacat tacaattctt gacaatcgtc aactaacata 480
 tatatacaaa tctacaagca atgcaaattt tcgttaaaac tttgactggt aaaaccatta 540
 ccttagaagt cgaatcttct gacaccatcg ataacgtcaa atccaagatc caagacaaag 600
 aaggtattcc accagaccaa caaagattga ttttcgccgg taaacaatta gaagatggca 660
 gaaccttgtc tgactacaac atccaaaaag aatctacttt acatttggtt ttaagattga 720
 gaggtggtat gcaaatcttt gttaaaactt taactggtaa gactatcact ttggaagtcg 780
 aatcttctga caccatcgat aacgtcaa atccaagatcca agacaaagaa ggtattccac 840
 cagaccaaca aagattgatt ttcgccggta aacaattgga agacggtaga accttgtctg 900
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 gattgatttt tgctggtaaa caattagaag atggcagaac cttgtctgac tacaacatcc 1140
 aaaaagaatc taccttgcac ttggtcttga gattgagagg tggtttctaa 1190

<210> 400
 <211> 229
 <212> PRT
 <213> Candida albicans

<400> 400
 Met Gln Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu
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 Val Glu Ser Ser Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp
 20 25 30
 Lys Glu Gly Ile Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys
 35 40 45
 Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu
 50 55 60
 Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Met Gln Ile Phe
 65 70 75 80
 Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu Val Glu Ser Ser
 85 90 95

Asp Thr Ile Asp Asn Val Lys Ser Lys Ile Gln Asp Lys Glu Gly Ile
 100 105 110
 Pro Pro Asp Gln Gln Arg Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp
 115 120 125
 Gly Arg Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu Ser Thr Leu His
 130 135 140
 Leu Val Leu Arg Leu Arg Gly Gly Met Gln Ile Phe Val Lys Thr Leu
 145 150 155 160
 Thr Gly Lys Thr Ile Thr Leu Glu Val Glu Ser Ser Asp Thr Ile Asp
 165 170 175
 Asn Val Lys Ser Lys Ile Gln Asp Lys Glu Gly Ile Pro Pro Asp Gln
 180 185 190
 Gln Arg Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu
 195 200 205
 Ser Asp Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val Leu Arg
 210 215 220
 Leu Arg Gly Gly Phe
 225

<210> 401
 <211> 2390
 <212> DNA
 <213> Candida albicans

<400> 401
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 gcccaaggta gtgcacacaa caaactagtt tacaaaagtaa aattcgaagt tacgtcaaag 180
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 taaacaagaa gtaatcccca ttaaaacttg atcaaacactt ttagggtttc cgatttcccc 480
 attttcttga ctaaaataat atgagaatac tatgtgttgc cgaaaaacca tcgatttcaa 540
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<210> 402

<211> 629

<212> PRT

<213> Candida albicans

<400> 402

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Ala Asn Ile Leu Gly Gly Gly Arg Lys Lys Val Arg Asn Ser Arg Glu
      ,      20              25              30

Lys Phe Ile Lys Asn Tyr Asp Phe Thr Phe Thr Phe Asn Ser Glu Asp
      35              40              45

Gly Pro Cys Gln Val Thr Met Thr Ser Val Ala Gly His Ile Thr Gly
      50              55              60

Leu Asp Phe Gly Ser Ala Phe Ser Trp Gly Asn Cys Val Pro Gly Arg
      65              70              75              80

Leu Phe Glu Ala Asp Ile Lys Thr Ile Ile Thr Lys Lys Ser Ile Tyr
      85              90              95

Glu Asn Ile Ala Glu Glu Ala Arg Asn Ala Asp Lys Leu Met Ile Trp
      100              105              110

Thr Asp Cys Asp Arg Glu Gly Glu Tyr Ile Gly Phe Glu Ile Met Asn
      115              120              125

Ala Ala Arg Lys Tyr Asn Arg Asn Leu Gly Leu Asn Asn Ile Trp Arg
      130              135              140

Ala Arg Phe Ser His Leu Glu Arg Asn His Ile Ile Arg Ala Ala Lys
      145              150              155              160

Asn Pro Val Asn Leu Asp Met Ser Ala Val Ser Ala Val Ser Cys Arg

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413

165					170					175					
Met	Glu	Ile	Asp	Leu	Arg	Val	Gly	Thr	Ser	Phe	Thr	Arg	Leu	Leu	Thr
			180					185					190		
Asp	Gln	Leu	Arg	Gln	Lys	Gly	Ile	Ile	Glu	Lys	Asn	Glu	Leu	Ala	Ser
		195					200					205			
Tyr	Gly	Thr	Cys	Gln	Phe	Pro	Thr	Leu	Gly	Phe	Val	Val	Asp	Arg	Tyr
	210					215					220				
Lys	Arg	Val	Lys	Ser	Phe	Thr	Pro	Glu	Pro	Phe	Trp	Tyr	Ile	Glu	Ile
	225					230					235				240
Glu	Thr	Arg	Lys	Glu	Asn	Lys	Lys	Thr	Ile	Phe	Asn	Trp	Val	Arg	Gly
				245					250					255	
His	Phe	Phe	Asp	Lys	Met	Tyr	Val	Val	Met	Leu	Tyr	Asp	Arg	Cys	Cys
			260					265					270		
Lys	Ser	Gly	Glu	Phe	Gly	Thr	Ile	Ser	Lys	Ile	Glu	Ser	Lys	Arg	Lys
		275					280					285			
Pro	Asn	Phe	Arg	Pro	Phe	Pro	Leu	Thr	Thr	Val	Glu	Leu	Gln	Lys	Asp
	290					295					300				
Cys	Ala	Arg	Phe	Phe	Lys	Met	Ser	Ala	Lys	Thr	Ala	Leu	Ala	Ala	Ala
	305					310					315				320
Glu	Arg	Leu	Tyr	Asn	Leu	Gly	Tyr	Leu	Ser	Tyr	Pro	Arg	Thr	Glu	Thr
				325					330					335	
Asp	Arg	Phe	Ala	Lys	Glu	Thr	Asp	Phe	Lys	Ser	Leu	Leu	Glu	Val	His
			340					345					350		
Lys	Gln	Asp	Pro	Arg	Trp	Gly	Ser	Tyr	Thr	Thr	Lys	Leu	Leu	Asn	Glu
		355					360					365			
Gly	Phe	Glu	Thr	Pro	Arg	Ser	Gly	Ser	His	Asp	Asp	Lys	Ala	His	Pro
	370					375					380				
Pro	Ile	His	Pro	Ile	Lys	Tyr	Val	Ser	Leu	Asp	Thr	Leu	Asn	Thr	Leu
	385					390					395				400
Asp	Glu	Lys	Lys	Val	Tyr	Glu	Tyr	Val	Val	Arg	Arg	Phe	Ile	Ala	Cys
				405					410					415	
Cys	Ser	Lys	Asp	Ala	Val	Gly	Thr	Gln	Thr	Val	Val	Thr	Leu	Lys	Trp
			420					425					430		
Gly	Asp	Glu	Phe	Phe	Thr	Ala	Ser	Gly	Leu	Met	Val	His	Glu	Lys	Asn
		435					440					445			
Tyr	Leu	Glu	Val	Tyr	Thr	Tyr	Lys	Lys	Trp	Glu	Ser	Ser	Lys	Gln	Leu
	450					455					460				
Pro	Lys	Phe	Thr	Glu	Gly	Glu	Gln	Val	Lys	Leu	Ser	Ser	Gly	Ile	Leu

414

465		470		475		480
Lys Asp Gly Lys Thr Ser Pro Pro Asn His Met Thr Glu Pro Glu Leu						
	485			490		495
Ile Ala Leu Met Asp Ala Asn Gly Ile Gly Thr Asp Ala Thr Ile Ala						
	500			505		510
Glu His Ile Asn Lys Ile Glu Thr Arg His Tyr Ile Asn Lys Leu Lys						
	515			520		525
Lys Gly Lys Asn Glu Tyr Ile Leu Pro Thr Pro Leu Gly Met Gly Leu						
	530			535		540
Ile Glu Gly Leu Glu Lys Met Glu Phe Glu Asp Val Ser Leu Ser Lys						
	545			550		555
Pro Phe Leu Arg Lys Ser Leu Glu Arg Ser Leu Glu Asp Ile Ala Thr						
	565			570		575
Gly Ser Arg Pro Lys Val Asp Val Leu Asn Thr Thr Ile Gly Val Tyr						
	580			585		590
Val Asp Ala Tyr Ser Val Cys Ser His Gln Ile Leu Val Leu Cys Asn						
	595			600		605
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Asn Asn Asn Asn Thr						
625						

<210> 403

<211> 3098

<212> DNA

<213> Candida albicans

<400> 403

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```

<210> 404

<211> 865

<212> PRT

<213> Candida albicans

<400> 404

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Met Ile Asp Asn Ile Ile Asn Asn Leu Gln Ile Ile Leu Gln Gln Asn
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Asp Asp Asn Phe Thr Ser Pro His Asp Asp Val Ile Tyr Arg Pro His
      20             25             30

Ser Ala Arg Val Ala Arg Tyr Gln Val Ile Ile Ala Ser Thr Leu Gly
      35             40             45

Leu Thr Ala Leu Leu Leu Phe Ser Ile Leu Arg Leu Lys Tyr Pro Lys
      50             55             60

Ile Tyr Val Ala Asn Phe Asn His Leu Asn Phe Ser Leu His Ser Thr
      65             70             75             80

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417

Ser	Leu	Arg	Lys	Gly	Trp	Phe	Gly	Leu	Phe	Gly	Pro	Lys	Val	Asp	Ser	385	390	395	400
Ile	Asn	Tyr	Tyr	Thr	Asp	Lys	Leu	Glu	Val	Ile	Asp	Lys	Glu	Ile	Thr	405	410	415	
Arg	Ala	Arg	Thr	Arg	Glu	Tyr	Pro	Ala	Thr	Ser	Thr	Ala	Phe	Leu	Thr	420	425	430	
Met	Lys	Thr	Val	Ala	Glu	Ala	Gln	Met	Leu	Ala	Gln	Ala	Val	Leu	Asp	435	440	445	
Pro	Lys	Val	Asn	His	Leu	Ile	Thr	Asn	Leu	Ala	Pro	Ala	Pro	His	Asp	450	455	460	
Ile	Arg	Trp	Asp	Asn	Leu	Ser	Leu	Thr	Arg	Gln	Asp	Arg	Asn	Thr	Lys	465	470	475	480
Ile	Leu	Ala	Val	Thr	Ile	Phe	Ile	Gly	Ile	Met	Ser	Leu	Leu	Leu	Val	485	490	495	
Tyr	Pro	Val	Arg	Phe	Met	Ala	Ser	Phe	Leu	Asn	Thr	Lys	Ser	Ile	Ser	500	505	510	
Lys	Ile	Trp	Pro	Ser	Leu	Gly	Lys	Ala	Ile	Glu	Ser	His	Lys	Trp	Ala	515	520	525	
Glu	Thr	Leu	Ile	Thr	Gly	Leu	Leu	Pro	Thr	Tyr	Leu	Phe	Thr	Ile	Leu	530	535	540	
Asn	Ile	Val	Ile	Pro	Phe	Phe	Tyr	Val	Trp	Ile	Ser	Glu	Lys	Gln	Gly	545	550	555	560
Tyr	Leu	Ser	His	Ser	Asp	Glu	Glu	Leu	Ser	Ser	Val	Ser	Lys	Asn	Phe	565	570	575	
Phe	Tyr	Ile	Phe	Val	Asn	Leu	Phe	Leu	Val	Phe	Thr	Thr	Phe	Gly	Thr	580	585	590	
Ala	Ser	Phe	Val	Asp	Thr	Thr	Lys	Ile	Ala	Phe	Asp	Leu	Ala	Arg	Ser	595	600	605	
Leu	Arg	Asp	Leu	Ser	Met	Phe	Tyr	Val	Asp	Leu	Ile	Ile	Leu	Gln	Gly	610	615	620	
Leu	Gly	Ile	Phe	Pro	Phe	Lys	Leu	Leu	Leu	Val	Gly	Asn	Leu	Leu	Arg	625	630	635	640
Phe	Leu	Val	Asn	Ser	Leu	Phe	Arg	Cys	Lys	Thr	Pro	Arg	Asp	Tyr	Leu	645	650	655	
Asn	Leu	Tyr	Lys	Pro	Pro	Val	Phe	Asn	Phe	Gly	Leu	Gln	Leu	Pro	Gln	660	665	670	
Pro	Ile	Leu	Ile	Phe	Ile	Ile	Thr	Leu	Val	Tyr	Ser	Val	Met	Ser	Ser	675	680	685	

418

Lys Ile Leu Thr Ala Gly Leu Leu Tyr Phe Ile Ile Gly Tyr Phe Val
 690 695 700
 Ser Lys Tyr Gln Leu Leu Tyr Ala Cys Val His Pro Pro His Ser Thr
 705 710 715 720
 Gly Lys Val Trp Pro Ile Ile Phe Arg Arg Ile Ile Leu Gly Leu Phe
 725 730 735
 Leu Phe Gln Ile Thr Met Val Gly Thr Leu Ala Leu Gln Asp Ala Ile
 740 745 750
 Thr Cys Ala Thr Phe Leu Ala Pro Leu Pro Phe Leu Thr Leu Tyr Phe
 755 760 765
 Trp Trp Ser Phe His Lys Gln Tyr Ile Pro Leu Ser Thr Phe Ile Ala
 770 775 780
 Leu Arg Ala Ile Glu Ser Asn Glu Asn Ile Asn Pro Thr Asp Leu Glu
 785 790 795 800
 Gln Ile Ile Glu Asn Asn Asn Asn Lys Thr Leu Asp Glu Arg Arg Glu
 805 810 815
 Leu Asn Thr Lys Tyr Glu Tyr Pro Asn Leu Val Asn Asp Leu Asp Gly
 820 825 830
 Pro Met Ile Ala Leu Asp Gly Glu Asp Val Leu Ile Val Asn Arg Asp
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 Gly Thr Thr Val Arg Lys Pro Pro Gln Tyr Phe Ser Ser Glu Trp Asp
 850 855 860
 Tyr
 865

<210> 405

<211> 1559

<212> DNA

<213> Candida albicans

<400> 405

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<210> 406

<211> 352

<212> PRT

<213> Candida albicans

<400> 406

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Met Ala Thr Ser Gln Glu Leu Thr Ala Asp Ile Gln Ala Leu Ala Thr
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```

```

Ser Phe Pro Lys Arg Leu Ala Asn Asp Ser Asp Asn Ser Leu Leu Ile
          20              25              30

```

```

Asn Val Ala Pro Thr Gly Arg Gln Ala Lys Arg His Ile Gln Gln Ile
          35              40              45

```

```

Asn Tyr Ser Glu Glu Phe Gly Asp Asp Leu Asp Phe Asp Glu Phe Pro
          50              55              60

```

```

Ser Ser Thr Pro Gly Thr Arg Ser Leu Asn Glu Asn Lys Ala Gln Ile
          65              70              75              80

```

```

Glu Ala Gln Arg Tyr Ser Leu Ala Lys Asn Thr Pro Thr Pro Lys Arg
          85              90              95

```

```

Ile Leu Glu Lys Pro Val Leu Ser Glu Leu Val Glu Lys Pro Val Val
          100              105              110

```

```

Leu Ile Pro Ile Lys Ile Met Ile Glu Asn Leu Asn Thr Asn Gln Lys
          115              120              125

```

```

Leu Ile Asp Ser Phe Met Trp Asn Leu Asn Glu Ser Leu Ile Thr Pro
          130              135              140

```

```

Thr Glu Phe Ala Glu Ile Val Cys Ser Asp Leu Asp Leu Pro Phe Ser
          145              150              155              160

```

```

Met Ala Ala Gln Ile Ala Asp Ser Ile Asn Gln Gln Ile Glu Glu Tyr
          165              170              175

```

```

Ser Tyr Ala Ser Asn Leu Gln Leu Pro Asn Lys Gly Pro Tyr Asn Val
          180              185              190

```

420

Thr Ile Asp Leu Ser Val Asn Leu Asn Lys Gln Leu Tyr Gln Asp Arg
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 210 215 220
 Glu Ile Val Val Ala Asp Leu Gly Leu Ser Leu Glu Phe Lys Asn Ala
 225 230 235 240
 Ile Ser His Ala Leu His Glu Ile Ile Ile Arg Val Lys Lys Glu Val
 245 250 255
 Ile Asp Gly Thr Phe Asp Asn Glu Met His Asn Leu His Leu Val Lys
 260 265 270
 Gly Ile Met Phe Glu Gln Gly Ile Arg Ile Phe Thr Glu Asn Ser Val
 275 280 285
 Gln Asn Gly Asn Asp Arg Trp Glu Pro Leu Val Glu Val Leu Thr Ser
 290 295 300
 Ser Glu Ile Glu Arg Arg Glu Asn Glu Arg Val Arg Asn Leu Arg Arg
 305 310 315 320
 Leu Lys Arg Glu Asn Met Arg Arg Asp Tyr Asp Asp His Ser Arg Arg
 325 330 335
 Arg Gln Ala Gly Lys Arg Arg Tyr Asp Glu Leu Glu Gly Ala Trp Val
 340 345 350

<210> 407

<211> 737

<212> DNA

<213> Candida albicans

<400> 407

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aatcaccaa cttgtaa 737

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421

<210> 408

<211> 78

<212> PRT

<213> Candida albicans

<400> 408

Met Ala Arg Glu Ile Lys Asp Ile Lys Glu Phe Val Glu Leu Ala Arg
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Arg Ser Asp Ile Lys Ser Ala Ile Val Lys Val Asn Ala Lys Val Asn
 20 25 30

Ala Asn Gly Lys Lys Phe Lys Gln Thr Lys Phe Lys Val Arg Gly Ser
 35 40 45

Arg Tyr Gln Tyr Thr Leu Val Val Asn Asp Ala Ser Lys Ala Lys Lys
 50 55 60

Leu Gln Gln Ser Leu Pro Pro Thr Leu Lys Ile Thr Asn Leu
 65 70 75

<210> 409

<211> 1348

<212> DNA

<213> Candida albicans

<400> 409

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<210> 410

<211> 127

<212> PRT

422

<213> Candida albicans

<400> 410

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Lys Ala Tyr Phe Thr Ala Ser Ser Val Glu Arg Arg Val Leu Leu Ser
 20 25 30

Ala Pro Leu Ser Lys Glu Leu Arg Gln Gln Tyr Asn Val Lys Ser Leu
 35 40 45

Pro Ile Arg Gln Asn Asp Glu Val Leu Val Val Arg Gly Ser Lys Lys
 50 55 60

Gly Ser Glu Gly Lys Val Asn Ser Val Tyr Arg Leu Lys Phe Ala Ile
 65 70 75 80

Gln Val Asp Lys Leu Gln Lys Glu Lys Ser Asn Gly Ala Ser Val Pro
 85 90 95

Ile Asn Ile His Pro Ser Lys Val Val Ile Thr Lys Leu His Leu Asp
 100 105 110

Lys Asp Arg Lys Ala Leu Ile Gln Arg Lys Gly Gly Lys Ala Glu
 115 120 125

<210> 411

<211> 1631

<212> DNA

<213> Candida albicans

<400> 411

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 aggttgaaaa caaagattac tattcccagg attatgatac ctttgtggag gaatatcccc 1320

423

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tgagcacagg aaattttaaga aagactttga agccagctct gagatacgag aattatttca 1440
tcttgccctgg ccacataatg tcagcggaaa ttagagaaca gttgtactgt gataatcaat 1500
gttccgggta tatttatatt gttgattcga tggggaagat aagatgggcg acaagtgggt 1560
atgcaactcc tgaggatttg aaattgatgt ggaaggttgt gaaaggggtg caaagagaaa 1620
tgaccaagta a                                     1631

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<210> 412

<211> 376

<212> PRT

<213> Candida albicans

<400> 412

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Met Phe Val Tyr Trp Ile Asn Asn Leu Cys Glu Ile Ile Gln Cys Ile
  1             5             10             15

Cys Trp Arg Arg Arg Arg Gln Gly Arg Thr Phe Phe Pro Ser Tyr Phe
             20             25             30

Phe Phe Ser Leu Ser Leu Phe Phe Gln Ser His Cys Ser Ser Val Lys
             35             40             45

Gly Trp Leu Phe Cys Ala Glu Pro Cys Gly Ser Val Asn Ala Arg His
             50             55             60

Arg Val Ile Phe Gly Glu Thr Lys Arg Ile Leu Lys Asn Arg Gly Leu
             65             70             75             80

Asn Ser Thr Thr Asp Trp Leu Asp Asp Lys Met Gln Ser Val Phe Ile
             85             90             95

Arg Thr Phe Ala Thr Ser Arg Ile Glu Phe Gln Arg Tyr Gln Pro Arg
             100            105            110

Phe Val Asn Thr Ile Lys Glu Thr Val Lys Ser Ala Gln Glu Lys Ser
             115            120            125

Tyr Ser Ile Thr Arg Pro Leu Gly Leu Ser Lys Pro Val Leu Leu Asn
             130            135            140

His Lys Leu Ser Asp Thr Tyr Ser Leu Ser Asn Ile Tyr Glu Glu Leu
             145            150            155            160

Phe Gly Gln Lys Ser Lys Glu Arg Arg Gln Lys Gln Leu Asp Tyr Asp
             165            170            175

Leu Lys His Ser Pro Ile Tyr Glu Val Lys Ser Phe Glu Asn Thr Lys
             180            185            190

Gly Lys Ile Phe Thr Pro Pro Val Ser Tyr Phe Arg Gln Asp Lys Ser
             195            200            205

Leu Tyr Phe Pro Asp Phe Ile Ala Lys Thr Leu Ala Gly Asn Gln Arg
             210            215            220

Ser Leu Tyr Asp Ser Leu Asp Asn Arg Leu Ser Ile Val Lys Leu Phe

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424

225	230	235	240
Ser Ser Val Ala Gly Glu Gln Cys Thr Arg Ser Tyr Phe Lys Val Glu			
	245	250	255
Asn Lys Asp Tyr Tyr Ser Gln Asp Tyr Asp Thr Phe Val Glu Glu Tyr			
	260	265	270
Pro His Thr Gln Ile Leu Asp Val Asn Met Pro Gln Ser Trp Ile Lys			
	275	280	285
Gly Phe Val Thr Asn Leu Ser Thr Gly Asn Leu Arg Lys Thr Leu Lys			
	290	295	300
Pro Ala Ser Arg Tyr Glu Asn Tyr Phe Ile Leu Pro Gly His Ile Met			
305	310	315	320
Ser Ala Glu Ile Arg Glu Gln Leu Tyr Cys Asp Asn Gln Cys Ser Gly			
	325	330	335
Tyr Ile Tyr Ile Val Asp Ser Met Gly Lys Ile Arg Trp Ala Thr Ser			
	340	345	350
Gly Tyr Ala Thr Pro Glu Asp Leu Lys Leu Met Trp Lys Val Val Lys			
	355	360	365
Gly Val Gln Arg Glu Met Thr Lys			
	370	375	

<210> 413

<211> 1271

<212> DNA

<213> Candida albicans

<400> 413

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aatgtcgcaa caaaataggg ctgtagccct agtcatgtga tgtgaattaa cataacaaga 180
agaattgctg gtgcgcaaaa agattatgtg tattttatgt gcgttggtat cctgcacact 240
aaaattgagc agtgtacaca cacacatatt gggctgtatt tttattcttg tttttctgct 300
gttctctcac tgtaagctc taagtgaatt tgtgtgtgct gtaatagtgt gtgtgttcca 360
agtcccagct ctcacagata ctcacgcacg cccatactac tgaaaatttc ctgactttct 420
gtatctaaaa attttttact aggaattttt ttcttttacg tttttcactt gtttcatata 480
atcaccaact caagtacaac atggctgtcg gtaaaaacaa gagattgtcc aaaggaaaga 540
aaggattaaa aaagaaggtc gttgacccat tcaccagaaa agattgggtt gacatcaaag 600
ctccaaccac ttttgaaaac agaaatgttg gtaaaacttt gatcaacaga tctaccggtt 660
taaagaatgc cgctgatggc ttgaaaggta gagttttcga agtttggttg gccgacttac 720
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gccgtgaaat tgaaaaatcc acccaaacca ttttccattt acaaaatgtc cacatcagaa 1140
aagtcaaatt gttgaaacaa ccaaaattcg acttgggttc attattgggt ttgcacgggt 1200

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425

aagggttcaac cgaagaaaaa ggtaagaaag tttcttctgg tttcaaagat gttgttttag 1260
aatctgttta a 1271

<210> 414

<211> 256

<212> PRT

<213> Candida albicans

<400> 414

Met Ala Val Gly Lys Asn Lys Arg Leu Ser Lys Gly Lys Lys Gly Leu
1 5 10 15

Lys Lys Lys Val Val Asp Pro Phe Thr Arg Lys Asp Trp Phe Asp Ile
20 25 30

Lys Ala Pro Thr Thr Phe Glu Asn Arg Asn Val Gly Lys Thr Leu Ile
35 40 45

Asn Arg Ser Thr Gly Leu Lys Asn Ala Ala Asp Gly Leu Lys Gly Arg
50 55 60

Val Phe Glu Val Cys Leu Ala Asp Leu Gln Gly Ser Glu Asp His Ser
65 70 75 80

Tyr Arg Lys Ile Lys Leu Arg Val Asp Glu Val Gln Gly Lys Asn Leu
85 90 95

Leu Thr Asn Phe His Gly Leu Asp Phe Thr Ser Asp Lys Leu Arg Ser
100 105 110

Leu Val Arg Lys Trp Gln Ser Leu Val Glu Ala Asn Val Thr Val Lys
115 120 125

Thr Ser Asp Asp Tyr Val Leu Arg Val Phe Ala Ile Ala Phe Thr Lys
130 135 140

Arg Gln Pro Asn Gln Ile Lys Lys Thr Thr Tyr Ala Gln Ser Ser Lys
145 150 155 160

Leu Arg Glu Val Arg Lys Lys Met Ile Glu Ile Met Gln Arg Glu Val
165 170 175

Ser Asn Cys Thr Leu Ala Gln Leu Thr Ser Lys Leu Ile Pro Glu Val
180 185 190

Ile Gly Arg Glu Ile Glu Lys Ser Thr Gln Thr Ile Phe Pro Leu Gln
195 200 205

Asn Val His Ile Arg Lys Val Lys Leu Leu Lys Gln Pro Lys Phe Asp
210 215 220

Leu Gly Ser Leu Leu Ala Leu His Gly Glu Gly Ser Thr Glu Glu Lys
225 230 235 240

Gly Lys Lys Val Ser Ser Gly Phe Lys Asp Val Val Leu Glu Ser Val
245 250 255

<210> 415
 <211> 1517
 <212> DNA
 <213> *Candida albicans*

<400> 415
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 agttgtggat cctatttttaa ataaaaacaat aatagtaata aaaaaaaaaa ccttctttgc 180
 ttttcgagaa tttgtaacac attgtttctt tcttcccaca gcaaccaaatt tttattttat 240
 tttttctttt gggacttacc cacagttgct caattatgta taacaagggt agaaactctg 300
 tgggattccc tccttaaaaa tatagcaatc ctttttcttc acaacgattg ctatatgacc 360
 cccccctaa gcattcattg cttttatata tatttaataa tgtatttctc ttgttcagga 420
 taattatcac tatttgtgac gtttaatttt tacatttctt cttcttcttc ttcctatttc 480
 aacattaaag aacatttaatt atgtatttcc caatcattgt atgggtatat gtatctatca 540
 cttttgtggt tgccaattat ggttttgatc aatggacaaa tgatgattta aaacaatttt 600
 taaaagaacg taaagttgca ttcaatgatg ccttggagaa tccaaaatta attagtttgg 660
 ctaatgaaga agctaagaaa ttagaaaaag gttacaagaa agttactgaa gaattaaata 720
 acaatttgaa tcctccagat gattcattaa atgattattt gaattttgat tacttatttg 780
 ggaaaagaaa agaaaattat tcaattaaag aatggatttt tgaaagttgg ccagtaacca 840
 gtttgcaaac ttttttaact caaaataata tccaatatag tgcaaaggat accaaagatg 900
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 attcattgga tttatttgat aaaaccattt ttgataaaaa aggtcaaatt gaagatgaat 1200
 ttttccaaac ttggtcatat tctcaattac gtgaatggct ttattttacat ggattttattg 1260
 aactaaacc aggaatttac gttgaagatt tggataagga aaaattagtc aagattgccc 1320
 aaagttataa gaaatgtttg ttgagtgaac ttcatacttg gttggcaaac actgaaaaga 1380
 agtctcaacc ttggatcaca aaggggagaac aaaagtctca gaaaaagaag ggtagtaatt 1440
 tgattaatga tacattcttt gttggtatta ataattggtc caaggataaa ttgcgtgaat 1500
 tgggcaatct tgactaa 1517

<210> 416
 <211> 338
 <212> PRT
 <213> *Candida albicans*

<400> 416
 Met Tyr Phe Pro Ile Ile Val Trp Leu Tyr Val Ser Ile Thr Phe Val
 1 5 10 15
 Val Ala Asn Tyr Gly Phe Asp Gln Trp Thr Asn Asp Asp Leu Lys Gln
 20 25 30
 Phe Leu Lys Glu Arg Lys Val Ala Phe Asn Asp Ala Leu Glu Asn Pro
 35 40 45
 Lys Leu Ile Ser Leu Ala Asn Glu Glu Ala Lys Lys Leu Glu Lys Gly
 50 55 60

Tyr Lys Lys Val Thr Glu Glu Leu Asn Asn Asn Leu Asn Pro Pro Asp
 65 70 75 80
 Asp Ser Leu Asn Asp Tyr Leu Asn Phe Asp Tyr Leu Phe Gly Lys Arg
 85 90 95
 Lys Glu Asn Tyr Ser Ile Lys Glu Trp Ile Phe Glu Ser Trp Pro Val
 100 105 110
 Thr Ser Leu Gln Thr Phe Leu Thr Gln Asn Asn Ile Gln Tyr Ser Ala
 115 120 125
 Lys Asp Thr Lys Asp Asp Leu Ile Asn Lys Val Lys Asp Gln Phe Asp
 130 135 140
 Ser Ile Ser Lys Lys Asn His Gly Ser Ser Phe Tyr Pro Gly Asn Trp
 145 150 155 160
 Leu Tyr Glu Ser Trp Ser Glu Asn Asp Leu Lys Asp Trp Leu Lys Ser
 165 170 175
 Tyr Gly Ile Glu Phe Asn Pro Ser Ser Thr Lys Asp Gln Leu Val Glu
 180 185 190
 Lys Leu Lys Glu Phe Ser Tyr Gln Ala Thr His Ser Ile Arg Asp Ser
 195 200 205
 Lys Glu Ser Leu Phe Asp Ser Leu Asp Leu Phe Asp Lys Thr Ile Phe
 210 215 220
 Asp Lys Lys Gly Gln Ile Glu Asp Glu Phe Phe Gln Thr Trp Ser Tyr
 225 230 235 240
 Ser Gln Leu Arg Glu Trp Leu Tyr Leu His Gly Phe Ile Asp Thr Lys
 245 250 255
 Pro Gly Ile Tyr Val Glu Asp Leu Asp Lys Glu Lys Leu Val Lys Ile
 260 265 270
 Ala Gln Ser Tyr Lys Lys Cys Leu Leu Ser Asp Ile His Thr Trp Leu
 275 280 285
 Ala Asn Thr Glu Lys Lys Ser Gln Pro Trp Ile Thr Lys Gly Glu Gln
 290 295 300
 Lys Ser Gln Lys Lys Lys Gly Ser Asn Leu Ile Asn Asp Thr Phe Phe
 305 310 315 320
 Val Gly Ile Asn Asn Trp Ser Lys Asp Lys Leu Arg Glu Leu Gly Asn
 325 330 335-
 Leu Asp

428

<210> 417
 <211> 2243
 <212> DNA
 <213> *Candida albicans*

<400> 417
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 attaaagtga aaaacaattt ccgaaaaaag aagaaaatcg aacacattag aaaaagaaac 180
 gaacaaaaga aaaaaaattt caaattgtag ttgcatgtat ataaaataat ataaaagata 240
 tatcaccagc acaactgatt actttttatt tatatcacct gtcaacaaca aatttccaaa 300
 taaatacaac tcagaaaaaa cacttactat cttttcttag tttggtttct ataattctat 360
 taaacattct tgcctttcat ccttgattat catattagat cttatcttta atttgtttga 420
 aaaaataata ccaataatct tcccattaga acttacaaca caacaacaaa aaaaccctt 480
 ctaaatcact attctccatt atgaaaattt tcagattatt ttcactacta atcgtacaat 540
 ttatcataaa taccactggt gcagtatcac ctgtgtcagc agttttacca aaactgagtt 600
 tcagtccatt tgattcacca gaattttggt cacagatcat aactcccact tgtaatacaa 660
 ctttcacctt cattgatgaa ttgaataaag atattcgtcc ctacttgtcg gaattagtca 720
 agaccctgta tttccggttat tttaaagtca atttagataa acaatgtcgt ttttggaatg 780
 ctcaacattt ttgtgctagt gaaaactgtg ctggtgaaat attggaagat ttcaattgga 840
 gtcaagtccac caatgaaagt ttgaaacctt caggattagg taagatttca ttacctgaca 900
 aatcatcaat tgataattcc attgaaaccg aagaagttca aacttgtgaa gatttagatt 960
 atagtgaat agatgatgac catcattgtg tttatgtcaa cttggtaaat aaccagaaa 1020
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 attgtttccc taatactaat ccaatgtcag tgacaaatga tgccgacaat ggtggtgaac 1140
 aatgtatcga aaagaacttg ttttatcgtg ttgttagtgg tatgcatgct tcaattgcag 1200
 tacattttatc aagagaatat ttgaattctg aaactggtga attttatcct aatttaaagg 1260
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 ccttagtgtc ccaagctata gttaaattga gtgaaatttt accattgaga gagttcattc 1380
 aactggggta tgatgacatt actccagctc aaaagcaaca tttattggct aataatgatg 1440
 tcgaatcagt cgaagtttat gatcgtttgt tgttagatga cattattcct agtttggaag 1500
 caaatgttgt gtttaatact tccaacttgt ttgataatag caatttgagg gatgaattta 1560
 gatcaagatt tagaaacatt tctgccatta tggatttgtt tggttgtgat agatgcagaa 1620
 tgtgggggaa aatccaaacc attgggttatg gtaccgctct caagatttta tttgaagatg 1680
 acaactatga taatcacaat ttgaaattta gaagaattga aattgttgcc ttgattaata 1740
 cttttgatcg tttatctaaa tctattgaaa gtattaatat gtttaaagaa atgtatttgc 1800
 aacaccttaa agatattgct gaaggattaa cccaacctgg tgtttacgac aaaatacaaa 1860
 acaacaaacc aggtaacgga tttgccttcc catttggttag tccattacct cagaaaaaac 1920
 ctgaccaaac caacaccccc aaaaatcaac aacaaaaaca acctcaagaa actgacaaaa 1980
 aaagacttac attagaagaa attgccaca caaaacctga agatcgaact tttattgaag 2040
 acttcagatt atcctttgat gaagtttggc aagcattaag atttgtttta actagttatc 2100
 aaagattccc agccgtattg agtagattca cattggttca attgaatgaa tgggtggaata 2160
 aattgcttgg taaaccaaca gtttatgatt accaaagttc ttttgatggt gatgccttac 2220
 aatacagtca agtccttgga taa 2243

<210> 418
 <211> 580
 <212> PRT
 <213> *Candida albicans*

<400> 418
 Met Lys Ile Phe Arg Leu Phe Ser Leu Leu Ile Val Gln Phe Ile Ile
 1 5 10 15
 Asn Thr Thr Val Ala Val Ser Pro Val Ser Ala Val Leu Pro Lys Ser
 20 25 30

Ser Phe Ser Pro Phe Asp Ser Pro Glu Phe Cys Ser Gln Ile Ile Thr
 35 40 45
 Pro Thr Cys Asn Thr Thr Phe Thr Tyr Ile Asp Glu Leu Asn Lys Asp
 50 55 60
 Ile Arg Pro Tyr Leu Ser Glu Leu Val Lys Thr Ser Tyr Phe Arg Tyr
 65 70 75 80
 Phe Lys Val Asn Leu Asp Lys Gln Cys Arg Phe Trp Asn Ala Gln His
 85 90 95
 Phe Cys Ala Ser Glu Asn Cys Ala Val Glu Ile Leu Glu Asp Phe Asn
 100 105 110
 Trp Ser Gln Val Thr Asn Glu Ser Leu Lys Pro Ser Gly Leu Gly Lys
 115 120 125
 Ile Ser Leu Pro Asp Lys Ser Ser Ile Asp Asn Ser Ile Glu Thr Glu
 130 135 140
 Glu Val Gln Thr Cys Glu Asp Leu Asp Tyr Ser Glu Ile Asp Asp Asp
 145 150 155 160
 His His Cys Val Tyr Val Asn Leu Val Asn Asn Pro Glu Arg Phe Thr
 165 170 175
 Gly Tyr Gly Gly Asn Gln Ser Phe Asp Val Trp Lys Ala Ile Tyr Ser
 180 185 190
 Glu Asn Cys Phe Pro Asn Thr Asn Pro Met Ser Val Thr Asn Asp Ala
 195 200 205
 Asp Asn Gly Gly Glu Gln Cys Ile Glu Lys Asn Leu Phe Tyr Arg Val
 210 215 220
 Val Ser Gly Met His Ala Ser Ile Ala Val His Leu Ser Arg Glu Tyr
 225 230 235 240
 Leu Asn Ser Glu Thr Gly Glu Phe Tyr Pro Asn Leu Lys Val Phe Met
 245 250 255
 Glu Arg Val Gly Met His Asn Asp Arg Leu Ser Asn Ile Tyr Phe Asn
 260 265 270
 Tyr Ala Leu Val Ser Gln Ala Ile Val Lys Leu Ser Glu Ile Leu Pro
 275 280 285
 Leu Arg Glu Phe Ile Gln Ser Gly Tyr Asp Asp Ile Thr Pro Ala Gln
 290 295 300
 Lys Gln His Leu Leu Ala Asn Asn Asp Val Glu Ser Val Glu Val Tyr
 305 310 315 320
 Asp Arg Leu Leu Leu Asp Asp Ile Ile Pro Ser Leu Glu Ala Asn Val
 325 330 335

430

Val Phe Asn Thr Ser Asn Leu Phe Asp Asn Ser Asn Leu Arg Asp Glu
 340 345 350
 Phe Arg Ser Arg Phe Arg Asn Ile Ser Ala Ile Met Asp Cys Val Gly
 355 360 365
 Cys Asp Arg Cys Arg Met Trp Gly Lys Ile Gln Thr Ile Gly Tyr Gly
 370 375 380
 Thr Ala Leu Lys Ile Leu Phe Glu Asp Asp Asn Tyr Asp Asn His Asn
 385 390 395 400
 Leu Lys Phe Arg Arg Ile Glu Ile Val Ala Leu Ile Asn Thr Phe Asp
 405 410 415
 Arg Leu Ser Lys Ser Ile Glu Ser Ile Asn Met Phe Lys Glu Met Tyr
 420 425 430
 Leu Gln His Leu Lys Asp Ile Ala Glu Gly Leu Thr Gln Pro Gly Val
 435 440 445
 Tyr Asp Lys Ile Gln Asn Asn Lys Pro Gly Asn Gly Phe Ala Phe Pro
 450 455 460
 Phe Val Ser Pro Leu Pro Gln Lys Lys Pro Asp Gln Thr Asn Thr Pro
 465 470 475 480
 Lys Asn Gln Gln Gln Lys Gln Pro Gln Glu Thr Asp Lys Lys Arg Leu
 485 490 495
 Thr Leu Glu Glu Ile Ala His Thr Lys Pro Glu Asp Arg Thr Phe Ile
 500 505 510
 Glu Asp Phe Arg Leu Ser Phe Asp Glu Val Trp Gln Ala Leu Arg Phe
 515 520 525
 Val Leu Thr Ser Tyr Gln Arg Phe Pro Ala Val Leu Ser Arg Phe Thr
 530 535 540
 Leu Val Gln Leu Asn Glu Trp Trp Asn Lys Leu Leu Gly Lys Pro Thr
 545 550 555 560
 Val Tyr Asp Tyr Gln Ser Ser Phe Asp Val Asp Ala Leu Gln Tyr Ser
 565 570 575
 Gln Val Leu Gly
 580

<210> 419

<211> 1004

<212> DNA

<213> Candida albicans

<400> 419

431

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tgtgaaaaaa aattgtggtg tggatgttgt tgctgttgtt gcgttgtcca caacaaaaaa 60
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acgagacaat tgagtcgacc agtacgtttt aattgaatac gagagtcgac gcaattacat 180
caatccaaca ttccacttat tctatatcaa tgtaaagtca ttttttgata atatcgtaat 240
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tatcttggtt atcaaatacag gagtatagaa ttccacccaa caactagatt ttccgaatgc 360
gaaacgacga ggacgacaca acaacgacta aagaagaaga agaaaaaaaa tataaataaa 420
ttgatcacgc acacattaga aacacaatat tggatcactt ttttcgataa tactaccacc 480
acacagctca ttcaccactc atgccccgaa gttctactgc tcaaaagcgt ttactaacag 540
agtatcaaca attatcgagg gaccaccac ctgggataat cgcaggacca gtgagtgaag 600
ataatttata caaatgggaa tgtttattag aaggaccatc cgatactcca tatgcaaag 660
gagtatcccc agcagtattg actttcccta aagattaccc attatcacca cctacattaa 720
agtttgatcc accattgtta catccaaata tttatgctga tggaaccgtt tgtatttcga 780
ttttacatcc tcttggtgaa gatccaaatc aatatgaacg accagaggaa agatggtcac 840
ctgtgcaaag tattgaaaag atcttggtga gtgtcatgtc tatgcttgca gaacctaata 900
ctgaaagtgg ggctaataatc gatgcttgta aattatggag agataatcgt gctgaatatg 960
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<210> 420

<211> 167

<212> PRT

<213> Candida albicans

<400> 420

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Met Pro Arg Ser Ser Thr Ala Gln Lys Arg Leu Leu Thr Glu Tyr Gln
 1             5             10             15

Gln Leu Ser Arg Asp Pro Pro Pro Gly Ile Ile Ala Gly Pro Val Ser
          20             25             30

Glu Asp Asn Leu Tyr Lys Trp Glu Cys Leu Leu Glu Gly Pro Ser Asp
          35             40             45

Thr Pro Tyr Ala Asn Gly Val Ser Pro Ala Val Leu Thr Phe Pro Lys
          50             55             60

Asp Tyr Pro Leu Ser Pro Pro Thr Leu Lys Phe Asp Pro Pro Leu Leu
          65             70             75             80

His Pro Asn Ile Tyr Ala Asp Gly Thr Val Cys Ile Ser Ile Leu His
          85             90             95

Pro Pro Gly Glu Asp Pro Asn Gln Tyr Glu Arg Pro Glu Glu Arg Trp
          100             105             110

Ser Pro Val Gln Ser Ile Glu Lys Ile Leu Leu Ser Val Met Ser Met
          115             120             125

Leu Ala Glu Pro Asn Pro Glu Ser Gly Ala Asn Ile Asp Ala Cys Lys
          130             135             140

Leu Trp Arg Asp Asn Arg Ala Glu Tyr Asp Arg Gln Ile Arg Gln His
          145             150             155             160

Val Lys Glu Ser Leu Gly Leu
          165

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432

<210> 421
 <211> 1031
 <212> DNA
 <213> Candida albicans

<400> 421
 ctacacaaaag cttcgagagt tttttttcgt tgcaggggtg ggacaggtga gtaacgaata 60
 aaacgtcgat tgtctttcct ttatgattgt tctttaacgg aattgtgttc cttaaaacaa 120
 aatcagttct gcacgtgata taatctccta tcgctagtag taagttttta tttttttgat 180
 caaaagtaca ctcacagtc tattgtcgta gatttcgcat acttgtgata atatctgggtg 240
 tgtacactac ttttttggtt tgtattgtaa attacaattt ttctattggt taaaatgata 300
 attgttaaca agtctttttt ttccccggga ttgaatccgg aaactaccat taattcactc 360
 attctactca ctcaccttac accctcactc actcaaacaa ttatatcaac ccaaaaaaaaa 420
 aaaatcttca ctacaccaat aacaaagaac caatagttca atctaataaa ccatccttcc 480
 ccctagcctg ccacaacaac atgatttctc gtattggatt attgaaaaga cctaccgtgt 540
 ccactttaaa caactatgtc aaattacaat cgacattagc ccttaaaaaga tacacatcaa 600
 ccgtaccagc aacttcaaat caagaacaag aaatttgggt tgcccaacgt aaaaatagac 660
 ctacatcacc tcatttacaa atttatgaac cacaattaac ttggatcatg tcatcattcc 720
 atagaatcac tgggtgttgct atggccggtg ccttttatgc tttaacttgt ggatttgctg 780
 ctacttcaat tttaaatatt ccatttgata ctactacttt agtatctgca ttcaccacat 840
 taccaacatt tgctcaatat ggtatcaaag ctatttgtgc ttatccattt gtttatcata 900
 ttggtaatgg gattagacat ttggtttggg attttggtaa agaattaacc atccctgggtg 960
 tttatagaac tgggtatgct gttttggctg ctactgctgt cattggaagt tatttagctt 1020
 tcttatggta a 1031

<210> 422
 <211> 176
 <212> PRT
 <213> Candida albicans

<400> 422
 Met Ile Ser Arg Ile Gly Leu Leu Lys Arg Pro Thr Val Ser Thr Leu
 1 5 10 15
 Asn Asn Tyr Val Lys Leu Gln Ser Thr Leu Ala Leu Lys Arg Tyr Thr
 20 25 30
 Ser Thr Val Pro Ala Thr Ser Asn Gln Glu Gln Glu Ile Leu Val Ala
 35 40 45
 Gln Arg Lys Asn Arg Pro Thr Ser Pro His Leu Gln Ile Tyr Glu Pro
 50 55 60
 Gln Leu Thr Trp Ile Met Ser Ser Phe His Arg Ile Thr Gly Val Ala
 65 70 75 80
 Met Ala Gly Ala Phe Tyr Ala Leu Thr Cys Gly Phe Ala Ala Thr Ser
 85 90 95
 Ile Leu Asn Ile Pro Phe Asp Thr Thr Thr Leu Val Ser Ala Phe Thr
 100 105 110
 Thr Leu Pro Thr Phe Ala Gln Tyr Gly Ile Lys Ala Ile Cys Ala Tyr

433

115		120		125
Pro Phe Val Tyr His Ile Gly Asn Gly Ile Arg His Leu Val Trp Asp				
130		135		140
Phe Gly Lys Glu Leu Thr Ile Pro Gly Val Tyr Arg Thr Gly Tyr Ala				
145		150		155
				160
Val Leu Ala Ala Thr Ala Val Ile Gly Ser Tyr Leu Ala Phe Leu Trp				
	165		170	175

<210> 423
 <211> 1176
 <212> DNA
 <213> Candida albicans

<400> 423
 aaaagcaaga agagaaggac tcgttggcca atttcttcgg caatttcaag aagaaaagag 60
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 tgttttaata attatttaat caaacttggg tgtaacttat gattatggta gtgatctaag 180
 aacacaactt gcaaagcaat ggtagtttct ttgattttgt gtttctatta gattcctgtt 240
 tctattagat tcccgttttt tttttttttg cagacattaa acctcagggc tatagcccta 300
 atggcaaaaac atgcacgtgt atgtttcttg atttttctac actactagta aaaaaatttt 360
 ctttccgctc actattcaca catacactct ttttcgcaca attacagtct accaacagga 420
 aaagaaaaaa aaaaggaatc tggtaattga aaaattgaag tttggttctt ttaatactat 480
 caatcaacta gagtcacagc atgttaattc caaaagaaga cagaaagaag atccaccaat 540
 acctcttcca aggtatgtaa atatgaatta taaactggaa cagaatatgg catttcaagg 600
 gatgcacgat aagtcaagag ttcatgaaaa agcacagatt ataacagtcg taaagaaaaa 660
 tttcactacc aacaacaata agaagatatc aaagagattc agtaatcact acttacaaga 720
 aacatataac atcatggaga gttaatttg aaatacgaat gaatatataa atgaactata 780
 ccctttttat ggccatatca cgtttcaaga aatattttaa caaaaataaa atgaagaata 840
 aaacttggat atactaacac atgtattata gaggggtgctg ttgttgctaa gaaagacttc 900
 aaccaacca agcacgatga aattgatact agaaacttgt. tcgtcatcaa agctttacaa 960
 tctttgactt cttaaaggta cgtcaagact caattctcat ggcaatacta ctactacacc 1020
 ttgactgatg aagggtgttg attcttgaga accgaattga acattccaga aggtatcttg 1080
 ccattgacca gattgaagaa tgctccagct gaaagaccaa gaccatcaag aggcggtcca 1140
 agaagaggtg gttacagagg tagagctaga gactaa 1176

<210> 424
 <211> 118
 <212> PRT
 <213> Candida albicans

<400> 424
 Met Leu Ile Pro Lys Glu Asp Arg Lys Lys Ile His Gln Tyr Leu Phe
 1 5 10 15
 Gln Glu Gly Val Val Val Ala Lys Lys Asp Phe Asn Gln Pro Lys His
 20 25 30
 Asp Glu Ile Asp Thr Arg Asn Leu Phe Val Ile Lys Ala Leu Gln Ser

434

35	40	45
Leu Thr Ser Lys Gly Tyr Val Lys Thr Gln Phe Ser Trp Gln Tyr Tyr		
50	55	60
Tyr Tyr Thr Leu Thr Asp Glu Gly Val Glu Phe Leu Arg Thr Glu Leu		
65	70	75
Asn Ile Pro Glu Gly Ile Leu Pro Leu Thr Arg Leu Lys Asn Ala Pro		
	85	90
		95
Ala Glu Arg Pro Arg Pro Ser Arg Gly Gly Pro Arg Arg Gly Gly Tyr		
100	105	110
Arg Gly Arg Ala Arg Asp		
115		

<210> 425

<211> 2840

<212> DNA

<213> Candida albicans

<400> 425

tggtgggagt	attctggcac	aacaaatact	tacttttagg	ttactaacat	tatttttctt	60
cagctaacta	attatctagt	ttatatctat	atccattatt	gttgaaatca	ctatcgtgag	120
gtaaataaca	actacagagt	tgtcacagta	tccaaaaaaa	actttgtacc	tatcaataca	180
ttttaagcaa	taggtcattt	attgctgtaa	tcaagtgtta	ccagtatctc	tagttaatgt	240
tgagtttata	cctaaaacat	gaactatatc	aacttttaaat	gcccctaatac	acgtgatata	300
gcacatggga	atttgctgat	cttgcttctt	tgcacgtaca	cggcacatgt	acacgacttt	360
ttttttctaaa	tatttttttt	tttggtgttg	ttgttattaa	acaatattat	tttcatatat	420
ataattgctt	agtttacttg	cttcttacac	cctttgcata	tttttttttt	ttcctttttc	480
tgccaacttg	atcaaattcg	atgctacatc	ctaataattc	agtagtcgat	atgtctagca	540
ctggaaacat	gaatgaaaat	acagatgctc	caccgaaaca	gcagacgaaa	aagaaaatat	600
caaaacagaa	ttcaaccaaa	accgattttt	ttgctgcacg	attggctagt	gcggttgacg	660
atatagaaag	cagtgatagt	gatgaaacgt	ttatatatga	gaataatgat	actgaacttg	720
atgataatgc	tagtaatat	aacaataaca	acaataacag	caccaataac	attatcaatt	780
tagataatgc	tagtgtaaac	ggaagtatga	ttgcttcatac	caatgcaatg	gtgactggtc	840
ctcccggaac	atcgatagcg	ttaggatcgg	gccttcgatac	gccatccata	ctagaggggg	900
aacagcttca	atattttcat	gacccagtga	ggcaacaaca	gttcaaactt	ccttctacca	960
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gacctgtaca	tctacgtgag	gcatcaacgt	attcagtgaa	tgataatgac	caccgaaatc	1080
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atgatgatac	attttcatat	aatgaagttg	aggataattt	aattgatgaa	gattccacgg	1260
acgatgggga	tttgacaaaa	aataccatta	ctaataacaa	caatccacca	accacgtcga	1320
gccaacagca	accacaaccg	caaccacagc	cgcaaccaca	gcaaccacaa	ctacatactc	1380
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acgcgtctaa	aagaaattac	aaaacctcat	ccacttcctc	aaaattaaga	tcaactacat	1500
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atttgaattt	ccctcaggtg	aagcgccaaa	gcaagcgtaa	tttgtcaact	ggccaacctt	1740
tagagagttc	tgatcgtggc	tctaacaaag	atgggtactga	taatggaaac	aacagtgatc	1800
acaatattaa	ttctcctttg	actgctaata	ataataataa	taacgtcaat	cacaacgatc	1860
atggtgataa	caaaaagagt	aataccaaca	acaacaacat	tgctaataat	agagcatttc	1920

435

```

catttcctta tcaagatcaa caacatcatt attactacga ctacgatgat tttgaccaag 1980
aatcacaaat caatggaccc aatttttgatt tgccagacct ccctataaac agatcagctt 2040
cacggaatth taacaacaac aataacccca aaagatttgg cgacagtcac ttttttctac 2100
caagaaagac agatcagtat agtcaaagaa caagctttct aaagtcatgc atttatacct 2160
ttgtttgtat attaattgtg cttaccatag gggtttgtatt ggggtttgtt ttggccacaa 2220
caaaagatth aactgatgta ggtatcacat ccattgagaa cccattgtt agtaaagatg 2280
agttagtttt caatgttggt attgaagcat ttaatccagg gtgggtttcc gttgacatca 2340
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taaatatggc tgatattaaa atagctgctt ccaatagcat tgctaaagaa agcactacta 2640
gtaatgacac caacgataat gacaactcca agaagtggga aatcatatca agcaatccat 2700
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```

<210> 426

<211> 779

<212> PRT

<213> Candida albicans

<400> 426

```

Met Leu His Pro Asn Asn Ser Val Val Asp Met Ser Ser Thr Gly Asn
  1                      5                      10                      15

```

```

Met Asn Glu Asn Thr Asp Ala Pro Pro Lys Gln Gln Thr Lys Lys Lys
                20                      25                      30

```

```

Ile Ser Lys Gln Asnc Ser Thr Lys Thr Asp Phe Phe Ala Ala Arg Leu
  35                      40                      45

```

```

Ala Ser Ala Val Asp Asp Ile Glu Ser Ser Asp Ser Asp Glu Thr Phe
  50                      55                      60

```

```

Ile Tyr Glu Asn Asn Asp Thr Glu Leu Asp Asp Asn Ala Ser Asn Ile
  65                      70                      75                      80

```

```

Asn Asn Asn Asn Asn Asn Ser Thr Asn Asn Ile Ile Asn Leu Asp Asn
                85                      90                      95

```

```

Ala Ser Val Asn Gly Ser Met Ile Ala Ser Ser Asn Ala Met Val Thr
  100                      105                      110

```

```

Gly Pro Pro Gly Thr Ser Ile Ala Leu Gly Ser Gly Leu Arg Ser Pro
  115                      120                      125

```

```

Ser Ile Leu Glu Gly Glu Gln Leu Gln Tyr Phe His Asp Pro Val Arg
  130                      135                      140

```

```

Gln Gln Gln Phe Lys Leu Pro Ser Thr Lys Ala Pro Ser Ile Ser Asn
  145                      150                      155                      160

```

```

Ser Ile Ser Ser Ser Asn Asn Ile Asp Ser Ile Leu Lys Arg Pro Val
                165                      170                      175

```

His	Leu	Arg	Glu	Ala	Ser	Thr	Tyr	Ser	Val	Asn	Asp	Asn	Asp	His	Arg	180	185	190	
Asn	Leu	Val	Leu	Pro	Asn	Ser	Thr	Glu	Arg	Phe	Thr	Ala	Ser	Pro	Ser	195	200	205	
Asn	Asn	Ile	Gly	Asn	Glu	Asn	Ile	Pro	Gln	Tyr	Gln	Lys	Thr	Ser	Ser	210	215	220	
Val	Ala	His	Ser	Ile	Asn	Glu	Gly	Tyr	Asn	Asp	Asp	Thr	Phe	Ser	Tyr	225	230	235	240
Asn	Glu	Val	Glu	Asp	Asn	Leu	Ile	Asp	Glu	Asp	Ser	Thr	Asp	Asp	Gly	245	250	255	
Asp	Leu	Thr	Lys	Asn	Thr	Ile	Thr	Asn	Asn	Asn	Asn	Pro	Pro	Thr	Thr	260	265	270	
Ser	Ser	Gln	Gln	Gln	Pro	Gln	Pro	Gln	Pro	Gln	Pro	Gln	Pro	Gln	Gln	275	280	285	
Pro	Gln	Leu	His	Thr	Ser	Ser	Pro	Leu	Asn	Gln	Ile	Gln	Ala	Ala	Thr	290	295	300	
Ser	Ala	Thr	Pro	Ser	Val	Ser	Thr	Lys	Asn	Ala	Ser	Lys	Arg	Asn	Tyr	305	310	315	320
Lys	Thr	Ser	Ser	Thr	Ser	Ser	Lys	Leu	Arg	Ser	Thr	Thr	Ser	Lys	Leu	325	330	335	
Phe	Asp	Lys	Lys	Gly	Ser	Gln	Pro	Arg	Arg	Tyr	Ser	Thr	Ile	Pro	Asp	340	345	350	
Asp	Ile	Asp	Ile	Glu	Asp	Phe	Asp	Asp	Glu	Leu	Ile	Tyr	Tyr	Asp	Asn	355	360	365	
Thr	Ala	Arg	Phe	Pro	Ala	Asn	Glu	Ser	Thr	Ser	Leu	Leu	Asn	Gln	Asn	370	375	380	
Gln	Arg	Ile	Pro	His	Tyr	Arg	Ser	Leu	Asn	Leu	Asn	Phe	Pro	Gln	Val	385	390	395	400
Lys	Arg	Gln	Ser	Lys	Arg	Tyr	Leu	Ser	Thr	Gly	Gln	Pro	Leu	Glu	Ser	405	410	415	
Ser	Asp	Arg	Gly	Ser	Asn	Lys	Asp	Gly	Thr	Asp	Asn	Gly	Asn	Asn	Ser	420	425	430	
Asp	His	Asn	Ile	Asn	Ser	Pro	Leu	Thr	Ala	Asn	Asn	Asn	Asn	Asn	Asn	435	440	445	
Val	Asn	His	Asn	Asp	His	Gly	Asp	Asn	Lys	Lys	Ser	Asn	Thr	Asn	Asn	450	455	460	
Asn	Asn	Ile	Ala	Asn	Asn	Arg	Ala	Phe	Pro	Phe	Pro	Tyr	Gln	Asp	Gln	465	470	475	480

Gln His His Tyr Tyr Tyr Asp Tyr Asp Asp Phe Asp Gln Glu Ser Gln
 485 490 495
 Ile Asn Gly Pro Asn Phe Asp Leu Pro Asp Leu Pro Ile Asn Arg Ser
 500 505 510
 Ala Ser Arg Asn Phe Asn Asn Asn Asn Asn Pro Lys Arg Phe Gly Asp
 515 520 525
 Ser His Phe Phe Leu Pro Arg Lys Thr Asp Gln Tyr Ser Gln Arg Thr
 530 535 540
 Ser Phe Leu Lys Ser Cys Ile Tyr Thr Phe Val Cys Ile Leu Ile Val
 545 550 555 560
 Leu Thr Ile Gly Phe Val Leu Gly Phe Val Leu Ala Thr Thr Lys Asp
 565 570 575
 Leu Thr Asp Val Gly Ile Thr Ser Ile Glu Asn Pro Ile Val Ser Lys
 580 585 590
 Asp Glu Leu Val Phe Asn Val Val Ile Glu Ala Phe Asn Pro Gly Trp
 595 600 605
 Phe Ser Val Asp Ile Asn Glu Val Glu Leu Asp Leu Phe Ala Arg Ser
 610 615 620
 Gly Tyr Leu Pro Asp Thr Asp Asn Ser Lys Ile Ser Asn Met Gly Gly
 625 630 635 640
 Ser Gln Lys Val Glu Thr Val Lys Leu Gly Thr Ile Leu Asn Phe Glu
 645 650 655
 Ser Val Leu Asn Phe Lys Gly Gly Phe Leu Ser Arg Glu Pro Thr Ile
 660 665 670
 Gln Lys Gly Gly Ile Arg Leu Leu Tyr Pro Gly Lys Asn Val Thr Ala
 675 680 685
 Glu Ala Lys Leu Val Val Asn Met Ala Asp Ile Lys Ile Ala Ala Ser
 690 695 700
 Asn Ser Ile Ala Lys Glu Ser Thr Thr Ser Asn Asp Thr Asn Asp Asn
 705 710 715 720
 Asp Asn Ser Lys Lys Trp Glu Ile Ile Ser Ser Asn Pro Phe Asp Leu
 725 730 735
 Ile Ile Thr Gly Val Leu Lys Tyr Asp Leu Pro Phe Ser Arg Thr Ser
 740 745 750
 Arg Ser Val Val Val Arg Lys Thr Gly Tyr Ile Asp Pro Thr Leu Phe
 755 760 765
 Val Ile Pro Gln Gly Glu Asn Asn Ile Ser Ile
 770 775

<210> 427
 <211> 1352
 <212> DNA
 <213> Candida albicans

<400> 427
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 cattcaaccc cggtagctg tttgagtatt ggatagcaac actttcaatt agtgcaacac 120
 aatcaaatta ccaatacttg tttacctttc atctgattct aattggttca tagcaatata 180
 gtctcttctg ttgtttgata ttaatatata taaaacttat ttatcacgtt gttagtagt 240
 ctcgcaaat tgaaaccatg gatgagtaaa cttgttgtgt tagatgagct caaatatctg 300
 gtggaacaat tgtgtagtag ctctttgata aatatccaag aacagtcgtg caagtttcaa 360
 aataccatcg caaaaatcct aacaaaaaaaa aaaaattaat aaagaaaaga aataattcta 420
 taatagctca tcacaacaat tcgtctacac ttcccacctg atttgttggt ttaatatata 480
 taagacaaac ctccagaagct atgataagaa aacaggctag agaaagaaga gagtatcttt 540
 atagaaaggc tttacagctt caggaatctt ccttaacaga aaaaagacaa caattgaaag 600
 cagctctagc aagtggaaaa tcattatcaa aggagcttgc cgaagatgaa aaattacaac 660
 gtgattttat ttacgatgaa agtgaacaaa tagaaattga tgacgaatac agtcggttgt 720
 cgggaatatc tgatccaaaa gttgttatta ccacatcccg tgatccatct gtcaagttgc 780
 tacaattcct gaaagaaatc aagttaatgt ttccaaatag cttgaagttg aatcgaggaa 840
 actatataat ctccagatttg gtaagtacct gtaatagagt gcaagtttcc gatatgattt 900
 tattgcacga gcatcgtggt gtcccatcaa gtttaactgt aagccacttt cctcatggcc 960
 caactgcgat ttccacgtta cataatgtca aactaagaca cgatttgcca aacttgggaa 1020
 acgtctcaga gtccatctct cacttaatat ttgagaattt ccaatccgac ttgggtaagc 1080
 gtgtgggttaa aatattgcaa catttgtttc ctccaggtgt caagaaagat agctccagag 1140
 taataacatt tgtcaataac gatgactaca tatcggtgag acaccatggt tacgtcaaaa 1200
 ctaaggattc agtggagttg agtgagattg gccacggtt cgaaatgaga ttgtatgaaa 1260
 tcagactagg attacctgac aacaaagatg ctgatgtcga gtggcagatg agaagattca 1320
 taagaacagc taatagaaag aattacttgt aa 1352

<210> 428
 <211> 283
 <212> PRT
 <213> Candida albicans

<400> 428
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 1 5 10 15
 Ala Leu Gln Leu Gln Glu Ser Ser Leu Thr Glu Lys Arg Gln Gln Leu
 20 25 30
 Lys Ala Ala Leu Ala Ser Gly Lys Ser Leu Ser Lys Glu Leu Ala Glu
 35 40 45
 Asp Glu Lys Leu Gln Arg Asp Phe Ile Tyr Asp Glu Ser Glu Gln Ile
 50 55 60
 Glu Ile Asp Asp Glu Tyr Ser Arg Leu Ser Gly Ile Ser Asp Pro Lys
 65 70 75 80
 Val Val Ile Thr Thr Ser Arg Asp Pro Ser Val Lys Leu Leu Gln Phe
 85 90 95

439

Ser Lys Glu Ile Lys Leu Met Phe Pro Asn Ser Leu Lys Leu Asn Arg
 100 105 110
 Gly Asn Tyr Ile Ile Ser Asp Leu Val Ser Thr Cys Asn Arg Val Gln
 115 120 125
 Val Ser Asp Met Ile Leu Leu His Glu His Arg Gly Val Pro Ser Ser
 130 135 140
 Leu Thr Val Ser His Phe Pro His Gly Pro Thr Ala Ile Phe Thr Leu
 145 150 155 160
 His Asn Val Lys Leu Arg His Asp Leu Pro Asn Leu Gly Asn Val Ser
 165 170 175
 Glu Ser Tyr Pro His Leu Ile Phe Glu Asn Phe Gln Ser Asp Leu Gly
 180 185 190
 Lys Arg Val Val Lys Ile Leu Gln His Leu Phe Pro Pro Gly Val Lys
 195 200 205
 Lys Asp Ser Ser Arg Val Ile Thr Phe Val Asn Asn Asp Asp Tyr Ile
 210 215 220
 Ser Val Arg His His Val Tyr Val Lys Thr Lys Asp Ser Val Glu Leu
 225 230 235 240
 Ser Glu Ile Gly Pro Arg Phe Glu Met Arg Leu Tyr Glu Ile Arg Leu
 245 250 255
 Gly Leu Pro Asp Asn Lys Asp Ala Asp Val Glu Trp Gln Met Arg Arg
 260 265 270
 Phe Ile Arg Thr Ala Asn Arg Lys Asn Tyr Leu
 275 280

<210> 429

<211> 1061

<212> DNA

<213> Candida albicans

<400> 429

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 ctaggaacag gaaaaataaa aacgaataaa caaaaacccc ccaatcggca tgcacggaa 180
 ttctttcagc ccaattactt tatttttgcc cacttctttt ggattagggc aatagcccta 240
 aagctcgtgt tttagccctt tatatgcagt ctattttatt tttctctttt ttttttggct 300
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 tttctctaac ctgcaaaaag ctctcgtttt tttgtagtga gagttactcg ttcaacaatag 420
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 aattaaagt tgctcaagct ttcgttgatt tggaatctca agctgattta aaagctgaat 600
 tgagaccatt acaattcaaa tctatcaaag aaattgatgt taatggagggt aaaaaagctt 660
 tagctgtttt cgttccacca ccaagtttac aagcttacag aaaagttcaa actagattaa 720
 ctagagaatt agaaaaaaa ttcccagata gacatgttgt ctttttagct gaaagaagaa 780

440

tcttaccaaa accagctaga aaagctagaa aacaacaaaa aagaccaaga tcaagaactt 840
 tgactgctgt tcatgataaa attttgaag atttagtttt cccaactgaa atcattggta 900
 aaagagttag atacttggtt ggtggtaaca aaatccaaaa agtcttggtg gattctaaag 960
 attcaactgc tgttgattac aaattggatt ctttccaaca attgtactca aaattgactg 1020
 gtaaacaagt tgtttttgaa atcccagggtg aatctcatta g 1061

<210> 430

<211> 186

<212> PRT

<213> Candida albicans

<400> 430

Met Ser Ser Lys Ile Leu Ser Glu Asn Pro Thr Glu Leu Glu Leu Lys
 1 5 10 15
 Val Ala Gln Ala Phe Val Asp Leu Glu Ser Gln Ala Asp Leu Lys Ala
 20 25 30
 Glu Leu Arg Pro Leu Gln Phe Lys Ser Ile Lys Glu Ile Asp Val Asn
 35 40 45
 Gly Gly Lys Lys Ala Leu Ala Val Phe Val Pro Pro Pro Ser Leu Gln
 50 55 60
 Ala Tyr Arg Lys Val Gln Thr Arg Leu Thr Arg Glu Leu Glu Lys Lys
 65 70 75 80
 Phe Pro Asp Arg His Val Val Phe Leu Ala Glu Arg Arg Ile Leu Pro
 85 90 95
 Lys Pro Ala Arg Lys Ala Arg Lys Gln Gln Lys Arg Pro Arg Ser Arg
 100 105 110
 Thr Leu Thr Ala Val His Asp Lys Ile Leu Glu Asp Leu Val Phe Pro
 115 120 125
 Thr Glu Ile Ile Gly Lys Arg Val Arg Tyr Leu Val Gly Gly Asn Lys
 130 135 140
 Ile Gln Lys Val Leu Leu Asp Ser Lys Asp Ser Thr Ala Val Asp Tyr
 145 150 155 160
 Lys Leu Asp Ser Phe Gln Gln Leu Tyr Ser Lys Leu Thr Gly Lys Gln
 165 170 175
 Val Val Phe Glu Ile Pro Gly Glu Ser His
 180 185

<210> 431

<211> 1256

<212> DNA

<213> Candida albicans

<400> 431

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attaggaccc catcttattg ttaaggataa tacttcttct tcttcttctt ctttggttaa 180
tcaaatttgc aataaataaa aaaaaaaaaa aaacaaagcc gcacaagttt tcctaaaatg 240
acttattttg tgtaacgcat tcacgtgatc ataatttttt taaattcaaa aactgaacca 300
aattcctgca tattgagggt gaaaaaaaaa agaaaaagaa aattttttca atcttggttg 360
aggagagaga ggtgaaaaat ttttctctct ctctttcttt ctttcattct catataccat 420
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ggtatgctgg tgttgaagtt agaaaaactc catctaaatt ggaagttatt gttaaagctt 660
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ctgctaatag atttgggtcca agagctttac cagatgctgt taaaattgct gaagctaaag 1140
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aaactgaaac tgatgctcca gttgaagctg aagctgaagt tgaagctact gcttaa 1256

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<210> 432

<211> 251

<212> PRT

<213> Candida albicans

<400> 432

```

Met Val Asn Ala Ile Leu Ser Lys Lys Lys Lys Leu Val Ala Asp Gly
  1                      5                      10                     15

```

```

Val Phe Tyr Ala Glu Leu Asn Glu Phe Phe Thr Arg Glu Leu Ala Glu
          20                      25                     30

```

```

Gln Gly Tyr Ala Gly Val Glu Val Arg Lys Thr Pro Ser Lys Leu Glu
  35                      40                     45

```

```

Val Ile Val Lys Ala Ser Asn Thr Gln Gly Val Leu Gly Glu Gln Gly
  50                      55                     60

```

```

Arg Arg Ile His Glu Leu Thr Ser Leu Ile Val Lys Arg Phe Lys Leu
  65                      70                     75                     80

```

```

Ser Pro Glu Gly Ile Ala Ile Tyr Ala Glu Arg Val Glu Glu Arg Gly
          85                      90                     95

```

```

Leu Ser Ala Ala Val Gln Ala Glu Ala Leu Lys Ala Lys Leu Leu Ser
  100                      105                     110

```

```

Gly Leu Pro Ile Arg Arg Ala Ala Tyr Gly Val Leu Arg Phe Ala Met
  115                      120                     125

```

```

Gly Ala Gly Ala Lys Gly Val Glu Val Val Ile Ser Gly Lys Leu Arg
  130                      135                     140

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Ala Ala Arg Ala Lys Ser Gln Lys Tyr Ala Asp Gly Phe Met Ile His

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442

145	150	155	160
Ser Gly Gln Pro Thr Arg Asp Phe Ile Asp Ile Ala Ile Arg His Val			
	165	170	175
Leu Met Arg Gln Gly Val Leu Gly Ile Lys Val Lys Ile Met Lys Asp			
	180	185	190
Pro Ala Ala Asn Arg Phe Gly Pro Arg Ala Leu Pro Asp Ala Val Lys			
	195	200	205
Ile Ala Glu Ala Lys Asp Glu Asp Glu Val Ile Pro Ala Pro Thr Val			
	210	215	220
Lys Ser Tyr Lys Gln Thr Ala Glu Asp Glu Thr Glu Thr Asp Ala Pro			
	225	230	235
Val Glu Ala Glu Ala Glu Val Glu Ala Thr Ala			
	245	250	

<210> 433

<211> 2105

<212> DNA

<213> Candida albicans

<400> 433

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agtaagtaat	attagttgtg	ctcctcggtg	tcccaattca	tatgctatth	gagctccaat	180
accactgggc	ccaccagtaa	tcataaacac	tttcccatgc	atgtctcgct	cccacgtatt	240
gggtggcacca	tggaaaataat	acttggtcc	agcaagagtt	aatagaatgg	gaagaacggt	300
agggtccatat	tctttaattt	ggtcccaata	tgggaatcacc	tctggcccat	caaacacaac	360
actagttaaa	aaattcactg	gcataattgg	tatatcaaga	gtgaagaaaa	atgctgtatt	420
ggagggttga	atttggtcac	aaattgggtg	cctttttatt	cttcttgctc	tttttttttt	480
cagtgtctaac	ataatttggg	atgtatgtat	tgaaaaaaaaa	aaattttgta	caattttcttg	540
ttcttggtct	cccactcatc	tcactgctct	cttataaatt	cacaaacatg	gatgaagtag	600
tattttacat	agctcaaggt	gatccagctg	ataaacacag	tcaagaatca	tatggatag	660
ttacatcaat	ccattcttcc	aaacaatatg	catcttatcg	acaagcagac	tgcgatataa	720
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cagaagcatt	gacttgatc	acgttgataa	accatccaaa	tggcagtaac	aacaacagcg	900
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gtggatcaaa	gagtgggaaa	ttgtacattt	gggaattaa	ttcaggcaat	ttattatgtg	1020
tcagagacgc	ccattatcag	gggatcacta	ccatcaaggg	ttcaagctgt	ggaacatttt	1080
taattactgg	aggagaggat	gccagatgtc	ttgtatggaa	tttagcagaa	ttaattagta	1140
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cactcactga	tctttgttta	aatgatactc	ataacattaa	tgatctaaaa	ttatatacaa	1260
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actctccaat	agcttatatt	gctgttgaaa	ctatccctga	tgactttgtc	aataacttag	1740


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ctactagtagc taccactaat aaagctgaca agaaacatag aatgatacct caatttaaac 1800
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ccaccgcaac caccaacgca accggcaata ttgactttgc aacttggtta caaggcaaac 1920
aatctgaaga attaccaattc aaaaaccttt ctggaataaa ctctattgtc aaacaagttg 1980
gcaacgagaa tgtatcggat ctggaagaga gattacaaag agtttctcaa gcatacactg 2040
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aatag 2105

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<210> 434

<211> 534

<212> PRT

<213> Candida albicans

<400> 434

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Met Tyr Val Leu Lys Lys Lys Asn Phe Val Gln Phe Leu Val Leu Val
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Leu Pro Leu Ile Ser Ser Leu Ser Tyr Lys Phe Thr Asn Met Asp Glu
      20              25              30

Val Val Phe Tyr Ile Ala Gln Gly Asp Pro Ala Asp Lys His Ser Gln
      35              40              45

Glu Ser Tyr Gly Tyr Val Thr Ser Ile His Ser Ser Lys Gln Tyr Ala
      50              55              60

Ser Tyr Arg Gln Ala Asp Ser His Ile Asn Gly Thr Ala Ile Thr Gly
      65              70              75              80

Ile Gly Pro Gly Glu Arg Ile Phe Thr Ala Val Pro Asn Lys Ala Leu
      85              90              95

Ile Asn Val Tyr Ser Trp Gly Lys Glu Ser Val Asp Gln Arg Ile Pro
      100             105             110

Ile Pro Glu Ala Leu Thr Cys Ile Thr Leu Ile Asn His Pro Asn Gly
      115             120             125

Ser Asn Asn Asn Ser Asp Asn Asp Asp Asn Gln Leu Tyr Lys Leu Pro
      130             135             140

Asn Tyr Arg Val Pro Trp Leu Leu Ala Gly Gly Ser Lys Ser Gly Lys
      145             150             155             160

Leu Tyr Ile Trp Glu Leu Ser Ser Gly Asn Leu Leu Cys Val Arg Asp
      165             170             175

Ala His Tyr Gln Gly Ile Thr Thr Ile Lys Gly Ser Ser Cys Gly Thr
      180             185             190

Phe Leu Ile Thr Gly Gly Glu Asp Ala Arg Cys Leu Val Trp Asn Leu
      195             200             205

Ala Glu Leu Ile Ser Ile Tyr Asp Lys Ser Asp His Gln Val Lys Pro
      210             215             220

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444

Tyr	Trp	Gln	Ile	Thr	Asp	Asn	Thr	Leu	Pro	Leu	Thr	Asp	Leu	Cys	Leu	225	230	235	240
Asn	Asp	Thr	His	Asn	Ile	Asn	Asp	Leu	Lys	Leu	Tyr	Thr	Thr	Ser	Glu	245	250	255	
Asp	Ser	Thr	Val	Arg	Ile	Tyr	Asp	Ile	Val	Thr	Lys	Ser	Leu	Leu	Thr	260	265	270	
Thr	Phe	Ile	Leu	Pro	Ser	Ser	Ala	Glu	Cys	Ile	Thr	Lys	Asp	Pro	Ala	275	280	285	
Asn	Arg	Ala	Leu	Tyr	Val	Gly	Leu	Asn	Asn	Gly	Leu	Val	Arg	Ser	Ile	290	295	300	
Pro	Leu	Tyr	Ser	Ile	Asn	Ser	His	Thr	Ser	Val	Leu	Glu	Ser	Ile	Gly	305	310	315	320
Gly	Met	Asn	Lys	Ile	Ile	Thr	Val	Asp	Ala	Asp	Gln	Asn	Leu	Lys	Glu	325	330	335	
Thr	Phe	Val	Ala	His	Gln	Gln	Lys	Thr	Lys	Thr	Gly	Asp	Asp	Lys	Pro	340	345	350	
Val	Val	Val	Thr	Lys	Leu	Thr	Ile	Ser	Phe	Asp	Gly	Thr	Ser	Ile	Ile	355	360	365	
Ser	Gly	Asp	Ser	Glu	Gly	Arg	Val	Phe	Val	Ser	Asp	Ile	Val	Thr	Lys	370	375	380	
Gln	Val	Val	Lys	Ser	Phe	Thr	Pro	Cys	Asn	Ser	Pro	Ile	Ala	Tyr	Ile	385	390	395	400
Ala	Val	Glu	Thr	Ile	Pro	Asp	Asp	Phe	Val	Asn	Asn	Leu	Ala	Thr	Ser	405	410	415	
Thr	Thr	Thr	Asn	Lys	Ala	Asp	Lys	Lys	His	Arg	Met	Ile	Pro	Gln	Phe	420	425	430	
Lys	Arg	Val	Leu	Ala	Ser	Thr	Asn	Ser	Glu	Glu	His	Gln	Ile	Phe	Leu	435	440	445	
Asp	Ile	Pro	Gly	Lys	Thr	Thr	Ala	Thr	Thr	Asn	Ala	Thr	Gly	Asn	Ile	450	455	460	
Asp	Phe	Ala	Thr	Trp	Leu	Gln	Gly	Lys	Gln	Ser	Glu	Glu	Leu	Gln	Phe	465	470	475	480
Lys	Asn	Leu	Ser	Gly	Ile	Asn	Ser	Ile	Val	Lys	Gln	Val	Gly	Asn	Glu	485	490	495	
Asn	Val	Ser	Asp	Leu	Glu	Glu	Arg	Leu	Gln	Arg	Val	Ser	Gln	Ala	Tyr	500	505	510	
Thr	Glu	Leu	Arg	Asn	Lys	His	Glu	Glu	Leu	Ile	Lys	Glu	His	Ala	Lys	515	520	525	

Leu Leu Asp Lys Leu Glu
530

<210> 435
<211> 896
<212> DNA
<213> Candida albicans

<400> 435
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acgaaacggc aagaaaaaac agaaacaata ccaccagcac ggacaaaaag attataagct 120
ttgtgtaata aggttatgtc atcgggtatt acagattgca gggccatctt gtcttcatca 180
gttatagcat ttcaataaaa ataagccaca tatgtgtaca gcgctgagtc tactcaacat 240
gtgtaaataag aataaatcaa ttgacacagt cttttgagat ctgttattct ggcctatagc 300
gttttaggaa attgcggtat tttcttgtct gtttttcttt tatctatttt cgcacgactt 360
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aaaattcaaa aaaaaaaaca aattgacttt ttttttact ttctttcttt tctatcaaca 480
atactaatac caagccaacc atgaaattca ctactgttgc cactgttttt gctatttctt 540
cattagctgc cgctaaaggc ggtgaaaaag atcacggtaa agcttctact gtcaccaaata 600
atgtcactga aactaccac agatacggtc gttttgacaa aaccagtaga tctaaaaagc 660
caaaggaaac tgggtactcac agatacggta aattcaacaa gactccacgt ccagttacca 720
caactgtctt ggtcaaagaa agcgaccttc caaagaaaag agatgctgtt gttgctagag 780
attctaaaaa cgcttcttcc aactctacca cctctagtgg taacaatggc gtcgccactg 840
gtgtcagctt ggggtcttgc ggtgtcttag ctggttgggc tgctttgggc atctaa 896

<210> 436
<211> 131
<212> PRT
<213> Candida albicans

<400> 436
Met Lys Phe Thr Thr Val Ala Thr Val Phe Ala Ile Ser Ser Leu Ala
1 5 10 15
Ala Ala Lys Gly Gly Glu Lys Asp His Gly Lys Ala Ser Thr Val Thr
20 25 30
Lys Tyr Val Thr Glu Thr Thr His Arg Tyr Gly Arg Phe Asp Lys Thr
35 40 45
Ser Arg Ser Lys Lys Pro Lys Glu Thr Gly Thr His Arg Tyr Gly Lys
50 55 60
Phe Asn Lys Thr Pro Arg Pro Val Thr Thr Thr Val Leu Val Lys Glu
65 70 75 80
Ser Asp Leu Pro Lys Lys Arg Asp Ala Val Val Ala Arg Asp Ser Lys
85 90 95
Asn Ala Ser Ser Asn Ser Thr Thr Ser Ser Gly Asn Asn Gly Val Ala
100 105 110
Thr Gly Val Ser Leu Gly Leu Ala Gly Val Leu Ala Val Gly Ala Ala
115 120 125

Leu Val Ile
130

<210> 437
<211> 1076
<212> DNA
<213> *Candida albicans*

<400> 437
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 ctcttggttc ggttctactt gttccttttt tttattctcc tcgttaatcc taattttgtg 120
 taacaaatta attatagggg gttggaaaat taaaagcttg aaaagaaaga aagaaagaaa 180
 taccaacgtg gaatttctat tacgtaagtc actataactt gcatagaaat ttcagggttt 240
 caatttaaga aagtattaat caactgaatt aagcaattga aacgaattga accagctcag 300
 cattttatttt tcgttttctt tttttttcaa ggggggtgggt gaaagaaaaa tctaaaaata 360
 tataaatact ccacttatct cctctcttcc tctctttctc tctctaactc aatttcaatt 420
 tttcccaaac caaaatttcc tttctttctt tctttcttta ttttttactc aattgaatca 480
 atattaaaaa aataaaagcc atgtcagcta acgattttta ttcattctggt gatcaatcca 540
 attatgatcc aaaaagatcc tcgaatcaag gatcatcatc atcaaattgat gaacaacaag 600
 acagaggggt attatctact gtcgccgggt gtggttggct gggttatggt ggtcacaaat 660
 taggtgaaaa ggcacaacat ggtacttttg gtactgtatt aggtgccatt ggggggtgcca 720
 ttggtgccaa taaactagaa gatgcttatg aagaccgtaa agaacataaa aaacacgagc 780
 aacaatatgg tggtagtggt aaacacgaag gcggaagaca tgaagggtggt tttggtgggt 840
 gtagaccaga tgatcggtat gaaggcgata gaagaaatga taattacggt ggtgggttaca 900
 atgatagaag agatgacggg tatgggtgggt gttacgggtg tggcagacca gacgatagaa 960
 gacacgaagg tggtttcggc ggtggcagac cagatgaccg ttttggtggc ggtagaccag 1020
 atgaccgttt tggaggtgac agaagagatg atagaagaga tgaccgtaga tggtaa 1076

<210> 438
<211> 191
<212> PRT
<213> *Candida albicans*

<400> 438
 Met Ser Ala Asn Asp Phe Tyr Ser Ser Gly Asp Gln Ser Asn Tyr Asp
 1 5 10 15
 Pro Lys Arg Ser Ser Asn Gln Gly Ser Ser Ser Ser Asn Asp Glu Gln
 20 25 30
 Gln Asp Arg Gly Leu Leu Ser Thr Val Ala Gly Gly Val Ala Gly Gly
 35 40 45
 Tyr Gly Gly His Lys Leu Gly Glu Lys Ala Gln His Gly Thr Leu Gly
 50 55 60
 Thr Val Leu Gly Ala Ile Gly Gly Ala Ile Gly Ala Asn Lys Leu Glu
 65 70 75 80
 Asp Ala Tyr Glu Asp Arg Lys Glu His Lys Lys His Glu Gln Gln Tyr
 85 90 95
 Gly Gly Ser Gly Lys His Glu Gly Gly Arg His Glu Gly Gly Phe Gly

447

100	105	110
Gly Gly Arg Pro Asp Asp Arg Tyr Glu Gly Asp Arg Arg Asn Asp Asn 115 120 125		
Tyr Gly Gly Gly Tyr Asn Asp Arg Arg Asp Asp Gly Tyr Gly Gly Gly 130 135 140		
Tyr Gly Gly Gly Arg Pro Asp Asp Arg Arg His Glu Gly Gly Phe Gly 145 150 155 160		
Gly Gly Arg Pro Asp Asp Arg Phe Gly Gly Gly Arg Pro Asp Asp Arg 165 170 175		
Phe Gly Gly Asp Arg Arg Asp Asp Arg Arg Asp Asp Arg Arg Trp 180 185 190		

<210> 439

<211> 1745

<212> DNA

<213> Candida albicans

<400> 439

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aagaaaaaag	aaaaccagaa	aagtggttta	tacaggaata	ttttaataga	aatatcgctt	180
atattgtgat	aaaaaatttg	aaagacaatc	cgaatgtagt	gcttgtctta	ttctgcttgg	240
gaatactgta	gtattagcat	caattgagga	aattccagat	agctaacggg	tttgcgatta	300
cgaatttcgc	aaccaaataa	atatgtgaca	aggaatacac	tactgatcaa	ggttattctt	360
agtacaatgg	aaaaaaaaaa	aaagaagcaa	acaaaaaaac	gagaaattaa	tgaacacgac	420
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aagttcttat	tgtatattat	atgaagtttt	ctggttttagt	attacttgcc	agttacttag	540
ttggtgtgaa	ttctctgatt	gttgatactt	cagaggaatt	aattttgtcca	gatccagaaa	600
accctttaga	ttgttatcca	aaattgtttg	ttccaacaaa	cgagtggcaa	accattaaac	660
cagggtcaaga	tataccacct	gggttacacg	ttagattaaa	tatagatacg	ttggaaaaag	720
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agaataaaaa	aagagacgat	tattcacaag	aagacaaaga	ctttgatgag	tacatgttgc	1680
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448

<210> 440

<211> 414

<212> PRT

<213> Candida albicans

<400> 440

Met Lys Phe Ser Val Leu Val Leu Leu Ala Ser Tyr Leu Val Gly Val
 1 5 10 15

Asn Ser Ser Ile Val Asp Thr Ser Glu Glu Leu Ile Cys Pro Asp Pro
 20 25 30

Glu Asn Pro Leu Asp Cys Tyr Pro Lys Leu Phe Val Pro Thr Asn Glu
 35 40 45

Trp Gln Thr Ile Lys Pro Gly Gln Asp Ile Pro Pro Gly Leu His Val
 50 55 60

Arg Leu Asn Ile Asp Thr Leu Glu Lys Glu Ala Lys Leu Met Ser Ala
 65 70 75 80

Asp Glu Lys Asp Glu Pro Val Gln Glu Val Val Val Gly Gly Glu Leu
 85 90 95

Gln Asp His Ser Arg Glu Ala Ile Thr Glu Asn Leu Gln Lys Leu His
 100 105 110

Glu Ser Lys His Pro Glu Val Lys Gln Glu His Ala His Arg Thr Lys
 115 120 125

Val Ser Gln Gly Asp Leu Ser Asn Phe Asp Ala Ala Cys Ser Glu Ile
 130 135 140

Glu Ser Phe Lys Pro His Glu Ser Asp Val Glu Arg Leu His Leu Ala
 145 150 155 160

Leu Asp Thr Leu Glu Glu Leu Ser His Asp Ile Glu Phe Gly Val Lys
 165 170 175

Leu Thr Ser Asp Lys Ala Ile Phe Gln Ser Phe Val Asn Ile Ala Asn
 180 185 190

Gly Ala Ser Asp Pro Lys Ile Thr Glu Lys Val Tyr Arg Val Met Gly
 195 200 205

Ser Ser Leu Arg Asn Asn Pro Glu Ala Ile Ser Asn Ile Leu Thr Asn
 210 215 220

Phe Asp Lys Ser Tyr Val Asp Asn Leu Phe Glu Gln Leu Ala Asn Glu
 225 230 235 240

Asn Asp Val Leu Gln Lys Arg Ile Leu Gly Ile Ile Gln Ala Leu Val
 245 250 255

Gln Asn Ser His Phe Ala Arg Gln Tyr Phe Ser Phe Asp His Ser Ser
 260 265 270

449

Gly Leu Asn Asp Leu Ile Ala Ile Phe Pro Lys Leu Gly Pro Asn Ser
 275 280 285
 Lys Ser Arg Ala Ser Asn Ile Leu Glu Asp Leu Gln Leu Phe Pro Val
 290 295 300
 Thr Asn Asp Arg Arg Ser Leu Glu Asp Gln Asp Pro Glu Ser Gln Val
 305 310 315 320
 Ser Lys Phe Ile Gln Asn Ser Phe Val Gly Asn Lys Leu Asp Glu Lys
 325 330 335
 Asn Phe Lys Ser Tyr Phe Asp Gln Leu Val Asn Leu His Gln Ser Asn
 340 345 350
 Lys Ser Leu Arg Pro Ser Gly Asp Phe Leu Asn Trp Leu Ala Glu Glu
 355 360 365
 Val Glu Ser Arg Lys Glu Asn Lys Lys Arg Asp Asp Tyr Ser Gln Glu
 370 375 380
 Asp Lys Asp Phe Asp Glu Tyr Met Leu Arg Ala Arg His Glu Val Phe
 385 390 395 400
 Gly Asn Pro Met Gly Leu Arg Lys Ala Ile Ala Asp Glu Leu
 405 410

<210> 441

<211> 1244

<212> DNA

<213> Candida albicans

<400> 441

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atatatttca ataacaggag cagtaattag cttcaacatc aagggtactct tttatttttc 180
taccaaaaac acatctgaag tagctcttat ccatagatcc aaatatttta accttttttt 240
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ccattaattt caataatcaa atcaagagct tatttgtatc ctctcaagggt atgttaatgt 360
attaacaaca ccgattctat ttcaccaact aacacgacag aaaggggttg tactattttg 420
taacacatcc caccgttttg ccctttttaca taaccatatt gatacctcaa ttggtcctta 480
cactagtcac ttacctgatt atgttttcat tgttcttccc acctcaagct attgtatata 540
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ttgaacaaca agagaaggcc gtcacagaga atgtggccgc agctactacc accgccacag 1140
atacgaatag cgtcaatcaa caaggcttag ttatacccg acacaatgaa ccagcaacta 1200
atatacctga ggctacccca aaaactgcta caaataccat ctaa 1244

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Lys Thr Ala Thr Asn Thr Ile
245

<210> 443
 <211> 2270
 <212> DNA
 <213> *Candida albicans*

<400> 443
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 tgtattatac aatattttaa ttatagtaat catcctataa atttcaaagt caaaagacag 180
 atcttaaggt ctaattaata actctctatg gccttctgtg tcaaattgtt gtcgtttgat 240
 aacaagtttg gaacggtaat gggtgaaatt agaaaagaaa aaaattacac atggtagcag 300
 ctgatgtata gaactttcta gcaaaaaaaaa aaagaaagaa tttttttttc ttccattttt 360
 caaatttgag agatcgaat aattttcttg aatttattaa aagggaaacc cttcccgaaa 420
 aatccaaaac caaaacttcc acccaaatat caaataacta acttatcatt ccaacagata 480
 atattcccac ttcaataaca atgacaacag ctgacgaata caaagcagaa ggtaacaaat 540
 attttgctgc taaagattttt gaaaaggcga ttgaagcatt cactaaagca attgaagcat 600
 cacctgaacc aaaccatggt ctttattcaa atcgttctgg atccttatgcc tctttaaaag 660
 attttaacaa cgcattaaaa gatgctcaag aatgtgtcaa gatcaatcct agttgggcca 720
 aagggtataa tagaattgct ggggctgaat ttggtttagg taattttgat caagccaaat 780
 ccaattatga aaaaatgttg gagttggatc caaataatgc catggctaaa gaaggtttaa 840
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 <211> 589
 <212> PRT
 <213> *Candida albicans*

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 Ala Lys Asp Phe Glu Lys Ala Ile Glu Ala Phe Thr Lys Ala Ile Glu
 20 25 30

453

Leu Ile Ala Lys Ser Phe Ala Arg Leu Gly Asn Ile Tyr Leu Lys Lys
 340 345 350
 Asp Glu Leu Pro Glu Ala Val Lys Asn Phe Glu Lys Ser Leu Thr Glu
 355 360 365
 His Arg Thr Pro Asp Val Leu Asn Lys Leu Arg Ser Thr Gln Arg Glu
 370 375 380
 Ile Lys Thr Arg Glu Leu Asn Ala Tyr Ile Asp Pro Glu Lys Ala Glu
 385 390 395 400
 Glu Ala Arg Leu Gln Gly Lys Glu Tyr Phe Thr Lys Gly Asp Trp Pro
 405 410 415
 Asn Ala Val Lys Ala Tyr Thr Glu Met Ile Lys Arg Ala Pro Glu Asp
 420 425 430
 Ala Arg Gly Tyr Ser Asn Arg Ala Ala Ala Leu Ala Lys Leu Leu Ser
 435 440 445
 Phe Pro Asp Ala Ile Gln Asp Cys Asn Lys Ala Ile Glu Lys Asp Pro
 450 455 460
 Asn Phe Ile Arg Ala Tyr Ile Arg Lys Ala Asn Ala Gln Leu Ala Met
 465 470 475 480
 Lys Glu Tyr Ser His Val Met Asp Thr Leu Thr Glu Ala Arg Thr Lys
 485 490 495
 Asp Val Glu Leu Gly Gly Lys Ser Ile His Glu Ile Asp Glu Leu Met
 500 505 510
 Asn Lys Ala Thr Tyr Gln Arg Phe Gln Ala Ile Glu Gly Glu Thr Pro
 515 520 525
 Glu Gln Thr Met Glu Arg Val Ser Lys Asp Pro Glu Ile Val Gln Ile
 530 535 540
 Leu Gln Asp Pro Val Met Gln Gly Ile Leu Ala Gln Ala Arg Glu Asn
 545 550 555 560
 Pro Ala Ala Leu Gln Asp His Met Lys Asn Pro Glu Val Tyr Lys Lys
 565 570 575
 Ile Asn Met Leu Ile Ala Ala Gly Val Ile Arg Thr Arg
 580 585

<210> 445

<211> 1019

<212> DNA

<213> Candida albicans

<400> 445

454

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attattagga ttaccaatga atagtaatga agtgatggag agatagaatg aaagtattca 360
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<210> 446

<211> 172

<212> PRT

<213> Candida albicans

<400> 446

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Glu Ser Val Pro Glu Pro Lys Leu Phe Arg Met Arg Ile Phe Ala Pro
      20              25              30

Asn Thr Val Val Ala Lys Ser Arg Tyr Trp Tyr Phe Leu Gln Lys Leu
      35              40              45

His Lys Val Lys Lys Ala Ser Gly Glu Ile Val Ser Val Asn Ile Ile
      50              55              60

Ser Glu Ala Lys Pro Thr Lys Val Lys Thr Phe Gly Ile Trp Leu Arg
      65              70              75              80

Tyr Glu Ser Arg Ser Gly Ile His Asn Met Tyr Lys Glu Tyr Arg Asp
      85              90              95

Val Thr Arg Val Gly Ala Val Glu Thr Met Tyr Gln Asp Leu Ala Ala
      100              105              110

Arg His Arg Ala Arg Phe Arg Ser Ile His Ile Leu Lys Val Val Glu
      115              120              125

Leu Glu Lys Thr Asp Asp Val Lys Arg Gln Tyr Val Lys Gln Phe Leu
      130              135              140

Thr Lys Asp Leu Lys Phe Pro Leu Pro His Arg Val Gln Lys Ser Lys
      145              150              155              160

Lys Leu Phe Gln Ala Thr Ala Pro Thr Thr Phe Tyr
      165              170

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455

<210> 447
 <211> 932
 <212> DNA
 <213> Candida albicans

<400> 447
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 tgtttttttg tgtacatgtg agatatataa ttgtgtatat acagtcacgt gaatagagca 180
 gaaaaattac gaagtagaaa tattggtagc gcggttagggc tatagcccta tttagtttgt 240
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 ttgttgaaga acaatccggt gccatcacca ttgaagatgc tttaaaagtt gttttaagaa 600
 cttctttagt ccagtatggt tttagctagag gtttaagaga agcttctaaa gctttatcta 660
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 aagttgttgg tgcctcttgt gttgttgtca aaaactgggg tgctgattct gatgaaagaa 900
 acatcttgtt ggaacacttt tctcaacaat aa 932

<210> 448
 <211> 143
 <212> PRT
 <213> Candida albicans

<400> 448
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 Glu Gln Ser Gly Ala Ile Thr Ile Glu Asp Ala Leu Lys Val Val Leu
 20 25 30
 Arg Thr Ser Leu Val His Asp Gly Leu Ala Arg Gly Leu Arg Glu Ala
 35 40 45
 Ser Lys Ala Leu Ser Lys Arg Glu Ala Gln Leu Cys Val Leu Cys Asp
 50 55 60
 Ser Val Thr Glu Glu Ser Ile Ile Lys Leu Val Glu Ala Leu Cys Asn
 65 70 75 80
 Glu Pro Glu Glu Lys Ile Pro Leu Ile Lys Val Ser Asp Ala Lys Leu
 85 90 95
 Leu Gly Glu Trp Ala Gly Leu Cys Gln Leu Asp Arg Asp Gly Asn Ala
 100 105 110
 Arg Lys Val Val Gly Ala Ser Cys Val Val Val Lys Asn Trp Gly Ala
 115 120 125

456

Asp Ser Asp Glu Arg Asn Ile Leu Leu Glu His Phe Ser Gln Gln
 130 135 140

<210> 449
 <211> 881
 <212> DNA
 <213> Candida albicans

<400> 449
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 aaacttcaag gtatttccga tgtcttaatt gtggtagaaa tattgccggt ggaagatttg 840
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<210> 450
 <211> 126
 <212> PRT
 <213> Candida albicans

<400> 450
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 20 25 30
 His Thr Leu Thr Ser Leu Thr Asn Ile Lys Asp His Ser Ser Leu Leu
 35 40 45
 Asn Ser Ser Asn Ser Asn Thr Asn Ser Asn Thr Asn Gly Thr Ile Ala
 50 55 60
 Ser Asn Gly Gly Asn Gly Thr Thr Ser Asp Glu Asn Asn Glu Ile Glu
 65 70 75 80
 Asn Ser Thr Ile Gln Asp Lys Ser Lys Leu Lys Gln Leu Glu Thr Ser
 85 90 95
 Arg Tyr Phe Arg Cys Leu Asn Cys Gly Arg Asn Ile Ala Gly Gly Arg
 100 105 110
 Phe Ala Ser His Ile Ser Lys Cys Leu Glu Arg Lys Arg Lys
 115 120 125

<210> 451
 <211> 5344
 <212> DNA
 <213> *Candida albicans*

<400> 451
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ataa

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<210> 452

<211> 1364

<212> PRT

<213> Candida albicans

<400> 452

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Met Thr Ser Asn Ser Pro Pro Leu Gly Ser Thr Thr Asn Asp Gln Arg
  1                      5                      10                      15

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Leu Pro Gln Ser Gly Val Ser Ser Ile Pro Thr Asn Lys Leu Pro Leu
      20                      25                      30

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Pro Asn Ala Asn Glu Asp Phe Ala Thr Gly Val Ser Asn Gly Asp Val

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459

35					40					45					
Asp	Trp	Leu	Phe	Arg	Gly	Lys	Ser	Lys	Lys	Leu	Gly	Lys	Lys	Met	Ala
50						55					60				
Asn	Asn	Asn	Ala	Asn	Lys	Asp	Glu	Arg	Lys	Asn	Ser	His	Gly	Asn	Ile
65					70					75					80
Lys	Asn	Ser	Glu	Lys	Thr	Thr	Ala	Lys	Pro	Asn	Glu	Thr	Lys	His	Glu
				85					90					95	
Ser	Asn	Gly	Glu	Lys	Leu	Glu	Phe	Asn	Val	Pro	Lys	Ser	Val	Met	Pro
			100					105					110		
Thr	Lys	His	Thr	Ser	Ser	Gly	Asn	Pro	Lys	Ala	Pro	Thr	Asn	Gly	Gln
		115					120					125			
Ile	Ser	Asn	Val	Thr	Pro	Ser	Gln	Pro	Ser	Pro	Lys	Gln	Thr	Thr	Ser
130						135					140				
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			180					185						190	
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210						215					220				
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225					230					235					240
Ser	Ser	Pro	Asn	Val	Ser	Arg	Ser	Asn	Ser	Lys	Lys	Gly	Gly	Leu	Phe
			245						250					255	
Ser	Ser	Leu	Ser	Ser	Lys	Phe	Arg	Ser	Ser	Ser	Ala	Ser	Ser	Lys	Gln
		260						265						270	
Pro	Gln	Ser	His	Ser	Ser	Ser	Thr	Pro	Ser	Thr	Thr	Thr	Thr	Asn	Gly
		275					280								
Gly	Gly	Asn	Ser	Ser	Ala	Ala	Pro	Lys	Ser	Ser	His	His	Ser	Pro	Lys
		290				295					300				
Phe	Asn	Pro	Ser	Leu	Val	Gly	Pro	Val	Ser	Lys	His	Asn	Arg	Glu	Ala
305					310					315					320
Glu	Asp	Leu	Val	Ser	Leu	Thr	Asn	Thr	Leu	Pro	Ala	Gly	Ser	Gly	Ile
				325					330					335	
Pro	Ile	Lys	Arg	Lys	Pro	Ser	Ile	Ser	Gly	Asn	Ser	Ile	Phe	Lys	Asp

460

340					345					350					
Ser	Phe	Leu	Asp	Asp	Ala	Ser	Ser	Ser	Pro	Ser	Ser	Ser	Leu	Asn	Ser
		355					360					365			
Asp	Gly	Gly	Leu	Lys	Phe	Phe	Arg	Arg	Arg	Ser	Ser	Val	Ala	Ser	Thr
	370					375					380				
Pro	Ser	Thr	His	Ala	Ser	Thr	Pro	Arg	Val	Ile	Leu	Asn	Lys	Asn	Pro
385					390					395					400
Asn	Arg	Arg	Lys	Val	Pro	Ile	Glu	Glu	Ile	Ser	Glu	Val	Arg	Leu	Arg
				405					410					415	
Arg	Val	Thr	Phe	Ser	Val	Asp	Lys	Leu	Glu	His	Asp	Pro	Gln	Gln	Gln
			420					425					430		
Ile	Pro	Ser	Arg	Arg	Pro	Lys	Arg	Gly	Asn	Val	Leu	Ile	Pro	Gln	Asp
		435					440					445			
Ile	Asn	Ala	Pro	Pro	Pro	Arg	Leu	Cys	Leu	Gly	Ile	Ser	Val	Asn	Glu
	450					455					460				
Pro	Asn	Asn	Lys	Asp	Asp	Gly	Lys	Ser	His	Asn	His	Ser	Lys	Tyr	Ser
465					470					475					480
Asp	His	Glu	Ile	Ala	Leu	Ala	Glu	Asp	Ala	Gln	Arg	Arg	Ala	Ile	Ile
				485					490					495	
Glu	Ala	Glu	Lys	His	Ala	Gln	Glu	Ala	His	Arg	Gln	Ala	Lys	Lys	Ile
			500					505					510		
Ala	Gln	Glu	Val	Ser	Gly	Tyr	Arg	Ser	His	Arg	Phe	Ile	Ser	Ile	Lys
		515					520					525			
Glu	Gly	Gly	Ser	Val	Gly	Asn	Ser	Asn	Thr	Asn	Gly	Asn	Asp	Asn	Asp
	530					535					540				
Glu	Asp	Asp	Asp	Glu	Val	Glu	Glu	Ala	Val	Asp	Lys	Lys	Leu	Ala	Asn
545					550					555					560
Asp	Val	Ser	Val	Asp	Gly	Pro	Leu	His	Val	His	Glu	Gln	His	Phe	Glu
				565					570					575	
Glu	Glu	Ile	Glu	Ser	Lys	Thr	Gly	Glu	Lys	Thr	Ile	Ser	Leu	Glu	Thr
			580					585					590		
Ile	Tyr	Thr	Arg	Cys	Cys	His	Leu	Arg	Glu	Ile	Leu	Pro	Ile	Pro	Ala
		595					600					605			
Thr	Leu	Lys	Gln	Leu	Lys	Asn	Lys	Thr	Ala	Pro	Leu	Glu	Val	Leu	Lys
	610					615					620				
Met	Leu	Asn	Pro	Lys	Pro	Thr	Leu	Ile	Asp	Val	Leu	Ser	Phe	Ser	Asp
625					630					635					640
Phe	Ile	Ala	Ile	Thr	Pro	Ile	Asn	Thr	Val	Ile	Phe	Asp	Asn	Val	Thr

461

645					650					655					
Met	Thr	Thr	Glu	Met	Leu	Lys	Asn	Phe	Leu	Gly	Ser	Leu	Thr	Tyr	Asn
			660					665						670	
Lys	Gln	Leu	Glu	Lys	Leu	Ser	Leu	Arg	Asn	Val	Ser	Ile	Asp	Glu	Leu
		675					680					685			
Gly	Trp	Lys	Tyr	Leu	Cys	Glu	Phe	Leu	Ala	Thr	Asn	Lys	Thr	Val	Lys
	690					695					700				
Lys	Leu	Asp	Ile	Ser	Gln	Gln	Arg	Ile	Lys	Pro	Asp	Thr	Pro	Asp	Thr
705					710					715					720
Ser	Ile	Arg	Gly	Asn	Met	Asn	Trp	Asp	Leu	Phe	Ile	Arg	Ser	Leu	Ile
				725					730					735	
Leu	Arg	Gly	Gly	Ile	Glu	Glu	Leu	Val	Ile	Asn	Gly	Cys	Lys	Leu	Ser
			740					745					750		
Asp	Ala	Ile	Phe	Glu	Lys	Phe	Ile	Asn	Gln	Ala	Val	Lys	Lys	Ser	Thr
		755					760					765			
Tyr	Arg	Leu	Gly	Ile	Ala	Gly	Ile	Asp	Leu	Asn	Val	Lys	Lys	Ser	Glu
	770					775					780				
Met	Val	Thr	Ser	Trp	Leu	Thr	Asp	Gly	Asn	Ser	Gln	Cys	Val	Gly	Val
785					790					795					800
Asp	Ile	Ala	Phe	Asn	Asp	Leu	Ser	Lys	Gly	Gln	Leu	Arg	Pro	Phe	Ile
				805					810					815	
Asn	Ala	Phe	Asn	Thr	Gly	Lys	Val	Asn	Asn	Leu	Val	Phe	Phe	Ser	Leu
			820					825					830		
Asn	Ser	Thr	Asn	Leu	Ser	Asn	Ile	Glu	Glu	Thr	Ser	Asp	Leu	Ile	Lys
		835				840						845			
Ser	Leu	Ile	Asn	Val	Lys	Thr	Leu	Arg	Phe	Leu	Asp	Leu	Ser	Ser	Ile
	850					855					860				
Pro	Asn	Ile	Phe	Pro	Lys	Ile	Ile	Thr	His	Leu	Asp	Lys	Tyr	Leu	Pro
865					870					875					880
Arg	Tyr	Pro	Asn	Leu	Arg	Arg	Ile	His	Phe	Asp	Leu	Asn	Glu	Leu	Thr
			885						890					895	
Ala	Gln	Ala	Ile	Gly	Ser	Leu	Ala	Gly	Cys	Leu	Ser	Lys	Met	Pro	Gln
			900					905					910		
Leu	Val	His	Val	Ser	Leu	Leu	Gly	Asn	Arg	Asn	Leu	Ser	Thr	Thr	Ser
		915					920					925			
Ala	Ala	Thr	Leu	Tyr	Gly	Ala	Val	Lys	Gln	Ser	Lys	Thr	Leu	Phe	Ala
	930					935					940				
Leu	Asp	Leu	Asp	Tyr	Asp	Leu	Ile	Pro	Asp	Gln	Leu	Ser	Gln	Arg	Ile

462

945	950	955	960
Ala Phe Tyr Leu Met Arg Asn Leu Glu Tyr Thr Leu Lys Pro Ser His	965	970	975
Gly Gly Asn Ile Glu Ser Asn Pro Glu Lys Pro Glu Asp Leu Met Tyr	980	985	990
Asp Gly Ser Leu Leu Met Glu Thr Ala Glu Lys Leu Leu Val Glu Ile	995	1000	1005
Glu Lys Gly Lys Lys Glu Asp Ile Lys Met Gln Arg Ile Ile Ser Asp	1010	1015	1020
Ser Val Leu Glu Arg Thr Arg Ser Ile Arg Lys Asp Ile His Lys Thr	1025	1030	1035
Ile Asp Thr Leu Phe Glu Gln Arg Asn Leu Gly Lys Leu Ser Phe Glu	1045	1050	1055
Gly Lys Glu Asn Leu Val Arg Phe Cys Leu Leu Asp Ser Ser Leu Glu	1060	1065	1070
Lys Leu Val Val Met Val Glu Glu His Ala Asn Gly Leu Leu Leu Thr	1075	1080	1085
Pro Thr Thr Ser Thr Asp Asp Leu Arg Ser Arg Ala Met Ser Pro Ser	1090	1095	1100
Val Thr Val Asp Thr Ile His Glu Ser Ala Asn Glu Leu Ile Thr Ala	1105	1110	1115
Gly Pro Ile Leu Ser Pro His Val Asn Arg Lys Ala Glu Gln Ser Ser	1125	1130	1135
Tyr Phe Pro Val Phe Ala Asn Asn Asp Asn Leu Thr Pro His Gln Val	1140	1145	1150
Val Val Glu Ser Asn Asp Glu Gly Arg Asp Val Pro Ile Asp Lys Met	1155	1160	1165
Thr Gly Arg Pro Val Leu Ile Arg Ser Ile Ser Gln Thr Ser Val His	1170	1175	1180
Ala Lys Glu Gln Glu Ile Glu Glu Gly Glu Leu His Lys Phe Gly Phe	1185	1190	1195
Phe Ile Gln Gln Lys Glu Arg Gln Lys Gln Gln Gln Gln Gln Gln	1205	1210	1215
Gln Gln Asn Ser His His Gln His Gln Pro Ala Gln Ser Ile Gln Gln	1220	1225	1230
Glu Asn Gln Ser Pro Ser Pro Gln Gln Gly Lys Tyr Glu Asp Leu Pro	1235	1240	1245
Ile Leu Asn Thr Leu Pro Ser Gly Pro Glu Leu Arg Asp Ala Ile Met			

1250	1255	1260
Ala Ala Lys Gly Val Ala Asn Val Thr Glu Leu Ile Asp Arg Ile Asn		
1265	1270	1275 1280
Asn His Arg Val Lys Ile Asp Ala Pro Ser Thr Lys His His His Glu		
	1285	1290 1295
Leu Asn Lys Pro Asn Ser Asp Lys Val Val Glu Asp Glu Val Glu Val		
	1300	1305 1310
Ser Asp Asn Ala Ser Ile Asp Ser Thr Asn Gly Asp Asp Leu His Gln		
	1315	1320 1325
Leu Gly Asp Gly Lys His Asn Gly Asn Gly Thr Val Asp Pro Met Val		
	1330	1335 1340
Ser Glu Val Tyr Asp Lys Leu Leu Asn Asp Ala Glu Arg Val Arg Ser		
	1345	1350 1355 1360
Asn Arg Asp Ile		

<210> 453
 <211> 1859
 <212> DNA
 <213> Candida albicans

<400> 453

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aaggtagaat	agaattcaat	gtaggtgata	tcactttctg	agagttctta	ttacgatata	180
taaaatacat	agccaaaatt	ataatgaagt	aaaaacatgt	aactgtgtaa	ttttattcaa	240
gtccaaagg	attgattaat	attgtagagt	ggtgagcatt	taaaatatga	aggaagaccg	300
ataaccta	gttttctca	gggtgtcgaa	ggctaggagg	aataaaatct	gagtagagaa	360
ctttcgttta	tatcagtttt	ttgcaagaaa	aaaaggaaaa	caaaacaaaa	taacaccaca	420
aacgaattac	acaagcacat	cctaaacacc	actctgttgg	agcaccaatc	aacctgagaa	480
atgcaaactt	gtaataaaat	atgggataca	atatagcaat	ggtaacagat	tttttttacc	540
ctcaacctgg	aggagtagag	tttcatgtgt	atcatttata	acaaaaactc	attgaactag	600
gacactcagt	ggttatcata	actcataatt	attcatcaag	aaatgggtgta	cgagtattaa	660
cgaatggttt	gaaagtgtat	tatgtaccac	tttgggtgat	ctatagaagc	tcagttttcc	720
caactgtatt	tctgtgcttc	ccaatattga	ggaatatctt	catacgagaa	aacattgaga	780
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caatgggatt	aaaaacagtc	ttcactgatc	attcactttt	tggatttgcc	gagattggat	900
caattatggg	gaataaagca	ttaaagtcca	ctttcagtg	tggtggccat	gttatctgtg	960
tcagtcacac	ctgtaaagaa	aacacggttt	taagaggatc	aatagacccc	ataaaaagtga	1020
gtgtgatacc	gaatgcagtt	attctgaaag	atttcaagcc	caaatcgcat	tgtgttaaca	1080
agaactatac	taaagagatc	accattgtgg	tgatcacgag	attgtttcca	aataaaggag	1140
ccgatctatt	aacggctggt	atccccaaaa	tttgccagtt	gaaacccaaa	gtgaaatttc	1200
taattgctgg	tgacggcccc	aagtttttag	atttagaaca	aatgagagaa	aagtactttc	1260
ttcaggaaa	ggttacatta	gtaggcgcta	taaaacacga	agaagtaaga	gatgtaatgg	1320
tccaaggtga	catatactta	catccttcat	taacagaggc	gtttggtaca	gttattgtgg	1380
aagctgcac	atgtgggtta	tatgttgtca	ctacaaaagt	tggaggcata	cccgaagtct	1440
taccaaacga	aatgacaagc	tttgctgaac	cggaagaaaa	ctcacttatt	gatgctgcta	1500
tagatgctat	aaataaaaatt	gaaagtaatg	aaatcgatac	ctcaaaaattt	cacgatgcgg	1560

ttgcaaagat gtacagttgg aatgatattg caagaagaac agaaaatggt tataattcac 1620
 ttgatttaga caaactaaac gagtctttac ttcaccgatt acaaagatac tattggtgtg 1680
 gtataatagc aggcaaactt tatgctttat gtgtaatagt ggatattttt attttcgtga 1740
 tactagaatg gttgtatccc gctgatcata tcgataaagc aacaaaatgg ccactggcta 1800
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<210> 454

<211> 452

<212> PRT

<213> *Candida albicans*

<400> 454

Met	Gly	Tyr	Asn	Ile	Ala	Met	Val	Thr	Asp	Phe	Phe	Tyr	Pro	Gln	Pro	
1				5					10					15		
Gly	Gly	Val	Glu	Phe	His	Val	Tyr	His	Leu	Ser	Gln	Lys	Leu	Ile	Glu	
			20					25					30			
Leu	Gly	His	Ser	Val	Val	Ile	Ile	Thr	His	Asn	Tyr	Ser	Ser	Arg	Asn	
		35					40					45				
Gly	Val	Arg	Val	Leu	Thr	Asn	Gly	Leu	Lys	Val	Tyr	Tyr	Val	Pro	Leu	
	50					55					60					
Trp	Val	Ile	Tyr	Arg	Ser	Ser	Val	Phe	Pro	Thr	Val	Phe	Ser	Cys	Phe	
	65				70					75					80	
Pro	Ile	Leu	Arg	Asn	Ile	Phe	Ile	Arg	Glu	Asn	Ile	Glu	Ile	Ile	His	
			85					90						95		
Gly	His	Gly	Ser	Phe	Ser	Thr	Leu	Cys	His	Glu	Ala	Ile	Leu	His	Gly	
		100						105					110			
Arg	Thr	Met	Gly	Leu	Lys	Thr	Val	Phe	Thr	Asp	His	Ser	Leu	Phe	Gly	
		115					120					125				
Phe	Ala	Glu	Ile	Gly	Ser	Ile	Met	Gly	Asn	Lys	Ala	Leu	Lys	Phe	Thr	
	130					135					140					
Phe	Ser	Asp	Val	Gly	His	Val	Ile	Cys	Val	Ser	His	Thr	Cys	Lys	Glu	
145					150					155					160	
Asn	Thr	Val	Leu	Arg	Gly	Ser	Ile	Asp	Pro	Ile	Lys	Val	Ser	Val	Ile	
			165						170					175		
Pro	Asn	Ala	Val	Ile	Ser	Lys	Asp	Phe	Lys	Pro	Lys	Ser	His	Cys	Val	
		180						185					190			
Asn	Lys	Asn	Tyr	Thr	Lys	Glu	Ile	Thr	Ile	Val	Val	Ile	Thr	Arg	Leu	
		195				200						205				
Phe	Pro	Asn	Lys	Gly	Ala	Asp	Leu	Leu	Thr	Ala	Val	Ile	Pro	Lys	Ile	
	210					215					220					
Cys	Gln	Leu	Lys	Pro	Lys	Val	Lys	Phe	Leu	Ile	Ala	Gly	Asp	Gly	Pro	
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<400>	455						
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tctagaaata	attgaataat	gatataaata	taatgttgty	aaacttgtyg	aaaaatttga	120	
cagcctagta	actcaagtgt	tgttacactc	ttgttattat	tattattata	tcgtttacaa	180	
gtagatttct	cattttgaac	agcaaatact	gtcgttaata	ggaatcagag	gcagaaaagaa	240	
agagagagaa	aaaaaaaaag	gacacattta	cagctacacc	cttaacttga	aggaaaaaaa	300	
caaaacaaga	gagacaaaga	aagagacaaa	gaaaatactt	tcaacaacga	aagattgaga	360	

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tattggtgat tttcacaaac caaaaaaaaaa gaatacacaa cttgtagatt aacagaattt 420
gaacatttct agagtttctt atattccccc caaggtggac aattaataat aacatttgat 480
tatacaagaa catttcaatc atgtggattt ttgactgggtg tatgtaatga tttatcttta 540
ccgaatcaat actttattta tgagtgattg gttggttggt tataatacca ccactttatt 600
ctattaacca agtttgatct aattactgat ctgtatatac taaccaaata tttaccttat 660
cacttaatta tttacagttc aagatatatt atcatcatta ggattatgga ataaacatgc 720
caaattatta tttttagggt tagataatgc tggtaaaact actcttttac atatgttaaa 780
gaatgataga ttggccactt tacaaccaac attacatcca acttcagaag aattggccat 840
tggatcagtt agatttacta cttttgattt aggtggacat caacaagcta gaagattatg 900
gaaagattat ttccctgaag tcaatggat tgtcttttta gtcgatgctg ctgataccga 960
aagatttgct gaatccaaag ctgaattgga aagtttattt agaattgaag aattgagtca 1020
agttccattt gttatttttg gtaataagat tgatgttcct actgcagtag gggaaatgga 1080
attgaaaaat gcccttggat tatataatac tactggtaaa gatactggta aattgcctga 1140
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agccttcaaa tggttatcac aatacattta a                                     1231

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<210> 456

<211> 190

<212> PRT

<213> Candida albicans

<400> 456

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Met Trp Ile Phe Asp Trp Val Gln Asp Ile Leu Ser Ser Leu Gly Leu
 1               5               10               15

Trp Asn Lys His Ala Lys Leu Leu Phe Leu Gly Leu Asp Asn Ala Gly
      20               25               30

Lys Thr Thr Leu Leu His Met Leu Lys Asn Asp Arg Leu Ala Thr Leu
      35               40               45

Gln Pro Thr Leu His Pro Thr Ser Glu Glu Leu Ala Ile Gly Ser Val
      50               55               60

Arg Phe Thr Thr Phe Asp Leu Gly Gly His Gln Gln Ala Arg Arg Leu
      65               70               75               80

Trp Lys Asp Tyr Phe Pro Glu Val Asn Gly Ile Val Phe Leu Val Asp
      85               90               95

Ala Ala Asp Thr Glu Arg Phe Ala Glu Ser Lys Ala Glu Leu Glu Ser
      100              105              110

Leu Phe Arg Ile Glu Glu Leu Ser Gln Val Pro Phe Val Ile Leu Gly
      115              120              125

Asn Lys Ile Asp Val Pro Thr Ala Val Gly Glu Met Glu Leu Lys Asn
      130              135              140

Ala Leu Gly Leu Tyr Asn Thr Thr Gly Lys Asp Thr Gly Lys Leu Pro
      145              150              155              160

Glu Gly Thr Arg Pro Ile Glu Val Phe Met Val Ser Val Val Met Arg
      165              170              175

Ser Gly Tyr Gly Glu Ala Phe Lys Trp Leu Ser Gln Tyr Ile

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180

185

190

<210> 457
 <211> 899
 <212> DNA
 <213> Candida albicans

<400> 457
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 agcgcgattt taccagaact agatggcgct cgtgatcctg aaaacgggga gaaattttga 120
 gaacaccgct ttattaggcg aagcgggtggg cacagctcac gcgtaagggtg ttcccattat 180
 ttctcaaaagt gatgcgaatt tcagagaaca cattaacctg ggggccataa acgcgacgtg 240
 ctaccatttt cgttacgtat acttaggcca gagattacaa catgactact aatatcaaac 300
 ataactctat atataaggga tgaagatgta tgctttctta gaatttcaaa catgttccgt 360
 taaagtttta cttttcgatt tcaatttcga ctgcatgatg cttttcttag gtagtttttt 420
 gttattaaat agtatcataa attcttgtct ttttacataa gaattaggaa agtacagaac 480
 aagagcaaat ttaatatata atgtccgggtg gtaaagggtgg taaagctggt tcagctgcta 540
 aagcttctca atctagatct gctaaagctg gtttaacatt cccagttggt agagtgcaca 600
 gattgctaag aagaggtaac tacgcccaaga gaattgggtc tgggtgctcca gtctatctaa 660
 ctgctgtctt agaatatattg gctgctgaaa ttttagaatt ggctggtaat gctgctagag 720
 ataacaaaaa aaccagaatt attccaagac atttacaatt ggccatcaga aatgatgatg 780
 aattgaacaa gctattgggt aatgttacca tcgcccagg tgggtgtttg ccaaacattc 840
 accaaaactt gttgccaaag aagtctgcca agactgccaa agcttctcaa gaactgtaa 899

<210> 458
 <211> 132
 <212> PRT
 <213> Candida albicans

<400> 458
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 Gln Ser Arg Ser Ala Lys Ala Gly Leu Thr Phe Pro Val Gly Arg Val
 20 25 30
 His Arg Leu Leu Arg Arg Gly Asn Tyr Ala Gln Arg Ile Gly Ser Gly
 35 40 45
 Ala Pro Val Tyr Leu Thr Ala Val Leu Glu Tyr Leu Ala Ala Glu Ile
 50 55 60
 Leu Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile
 65 70 75 80
 Ile Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp Asp Glu Leu Asn
 85 90 95
 Lys Leu Leu Gly Asn Val Thr Ile Ala Gln Gly Gly Val Leu Pro Asn
 100 105 110
 Ile His Gln Asn Leu Leu Pro Lys Lys Ser Ala Lys Thr Ala Lys Ala
 115 120 125

Ser Gln Glu Leu
130

<210> 459
<211> 893
<212> DNA
<213> *Candida albicans*

<400> 459
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ttgctaataca agagaacttc aacaatthtc catcgagag acgaaaaaac tggaaaaaaa 180
taaaaagaaa aaattgaaaa agaatcgga cttccgatta cataacctta tacggagtat 240
gataccattc ttgacatcat caacacacca tgcgagaccc acgtggccgc ttcgtgtgcc 300
ttgaaaatac agccttaaac gcaatctcat tgcggttctg tggaaaattgt ctcggactac 360
acgtggggcg tgcataacca gtgaaaatgc cgtaccgccc cgcttccggt tttgttttta 420
taaataccgac tggagaaata gacttctggg tttaacacccc ggaataatac taaaaccaa 480
actggtaaat agggctacag atgagcagga aaacggtgac ggaaaaagtt tatttatccg 540
agagaataat tgatgaagaa gttagcggtat gcacagtagc ggcggaagta ttagcaattt 600
ttactctggt gtgcacaaga gtgttcatca tttttttcac ggctaggata tgccatggaa 660
tatggccatc ttcgccatca gagagaccgt accacacggt tagagcagcc aggttgcgaa 720
actcttctaa gatggtttcc agcaattgtg tactatcaga atgtggacag tttaaaaggt 780
tgactgcgaa tttgtcccaa accgtatcac cgtcgcatth tttgaatttg atcaaagcac 840
cactcctaata agcacagcga tgctgtgagt gtgccagtgga gaacgggtgc tga 893

<210> 460
<211> 130
<212> PRT
<213> *Candida albicans*

<400> 460
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20 25 30
Ile Phe Thr Leu Val Cys Thr Arg Val Phe Ile Ile Phe Phe Thr Ala
35 40 45
Arg Ile Cys His Gly Ile Trp Pro Ser Ser Pro Ser Glu Arg Pro Tyr
50 55 60
His Thr Phe Arg Ala Ala Arg Leu Arg Asn Ser Ser Lys Met Val Ser
65 70 75 80
Ser Asn Cys Val Leu Ser Glu Cys Gly Gln Phe Lys Arg Leu Thr Ala
85 90 95
Asn Leu Ser Gln Thr Val Ser Pro Ser His Phe Leu Asn Leu Ile Lys
100 105 110
Ala Pro Leu Leu Ile Ala Gln Arg Cys Cys Glu Cys Ala Ser Gly Asn
115 120 125

Gly Cys
130

<210> 461
<211> 884
<212> DNA
<213> *Candida albicans*

<400> 461
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tactgtggta tgatcctcgt taaagacaga gaaaaactag agaacctcac tgaagatcct 180
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acagagtatc actattaagg tctattagcc atatgtacat tgtctataga tgtgtaactg 300
cgctgtgatc ttgttttgac caatcaggag cgacgcgctt tttatcgggt caccctggcg 360
gggggcctga caatttactt tcatagagca gtaataaaag ggaagagatg taaaagcttg 420
gaaaaatagc agtaaagggt gttgttggac aatttatcag aatattagta actgtaatta 480
aacgttccag aaagaacaaa atgccacagt cttttacgtc tattgcgaga attggtgact 540
atattttgaa gtcacccgtc ctctccaagt tatgtgttcc agttgccaat cagttcatta 600
acctcgcagg ttacaagaag ttagggctca aatttgacga ctttaattgca gaggaaaatc 660
ccatcatgca gaccgcttta agaagactcc ctgaagatga atcttatgcc agagcatata 720
gaataatcag ggctcatcaa accgagttga ctcatcattt actgccaaga aacgaatgga 780
tcaaagccca agaggatgtt ccttacctgt tgccatacat attagaagct gaagctgcag 840
ctaaggagaa ggacgagtta gacaacatag aggtctccaa atga 884

<210> 462
<211> 127
<212> PRT
<213> *Candida albicans*

<400> 462
Met Pro Gln Ser Phe Thr Ser Ile Ala Arg Ile Gly Asp Tyr Ile Leu
1 5 10 15
Lys Ser Pro Val Leu Ser Lys Leu Cys Val Pro Val Ala Asn Gln Phe
20 25 30
Ile Asn Leu Ala Gly Tyr Lys Lys Leu Gly Leu Lys Phe Asp Asp Leu
35 40 45
Ile Ala Glu Glu Asn Pro Ile Met Gln Thr Ala Leu Arg Arg Leu Pro
50 55 60
Glu Asp Glu Ser Tyr Ala Arg Ala Tyr Arg Ile Ile Arg Ala His Gln
65 70 75 80
Thr Glu Leu Thr His His Leu Leu Pro Arg Asn Glu Trp Ile Lys Ala
85 90 95
Gln Glu Asp Val Pro Tyr Leu Leu Pro Tyr Ile Leu Glu Ala Glu Ala
100 105 110
Ala Ala Lys Glu Lys Asp Glu Leu Asp Asn Ile Glu Val Ser Lys

115

120

125

<210> 463
 <211> 1025
 <212> DNA
 <213> *Candida albicans*

<400> 463
 tccttacttt agtctattat caatatctct tccccctcct aaatatgtac tcttttattt 60
 tttttaattg tgaaggaaca attcaagtta gaactctttt gataggaaac attatttcct 120
 gtgtagccta atgtttaatg cctaattttt ttctaaaatg cagcaacata catatggtga 180
 gtcgtataga catctatata taacaagcac agaaccgtct aattggtatt tttcaggaca 240
 ttttaaacat ccgtacaacg agaaccata cattactttt tttaatatc tttttgtttt 300
 caccgccttc tttttatttt tatccgaaga tcttttgga cccgctctgc gaatagcgaa 360
 gctaggatac caaattgaaa cttggacata actcatcatt aaagaagtat actgttaaga 420
 gaggcattca tttcgtgtat tataacgttt agcatcagtt acccttgaaa gcccaacata 480
 tacaaaaata cgcgtccaag atgtctacta aagcccaaaa ccctatgcgt gatttgaaga 540
 tcgagaaatt ggtcttgaac atctccgttg gtgaatctgg tgacagatta accagagcct 600
 ccaaggtttt agaacaatta tctgggtcaaa ctccagttca atccaaggcc agatacactg 660
 tcagaacttt cggatatcaga agaaacgaaa aaattgctgt tcacgttacc gtcagaggtc 720
 caaaggctga agaaattttg gaaagaggtt tgaagggtcaa ggaataccaa ttgagagaca 780
 gaaacttctc tgctaccggt aacttcggtt tcggtattga cgaacacatt gacttgggta 840
 tcaagtatga cccatccatc ggtattttcg gtatggattt ctatgtcgtc atgaacagac 900
 caggtgctag agtcactaga agaaagagat gtaagggtac tgttggtaac tcccacaaga 960
 caactaagga agacaccgtc tcttggttca agcaaaagta cgacgctgat gtgctcgata 1020
 aataa 1025

<210> 464
 <211> 174
 <212> PRT
 <213> *Candida albicans*

<400> 464
 Met Ser Thr Lys Ala Gln Asn Pro Met Arg Asp Leu Lys Ile Glu Lys
 1 5 10 15
 Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
 20 25 30
 Ala Ser Lys Val Leu Glu Gln Leu Ser Gly Gln Thr Pro Val Gln Ser
 35 40 45
 Lys Ala Arg Tyr Thr Val Arg Thr Phe Gly Ile Arg Arg Asn Glu Lys
 50 55 60
 Ile Ala Val His Val Thr Val Arg Gly Pro Lys Ala Glu Glu Ile Leu
 65 70 75 80
 Glu Arg Gly Leu Lys Val Lys Glu Tyr Gln Leu Arg Asp Arg Asn Phe
 85 90 95
 Ser Ala Thr Gly Asn Phe Gly Phe Gly Ile Asp Glu His Ile Asp Leu
 100 105 110

471

Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Phe Gly Met Asp Phe Tyr
 115 120 125

Val Val Met Asn Arg Pro Gly Ala Arg Val Thr Arg Arg Lys Arg Cys
 130 135 140

Lys Gly Thr Val Gly Asn Ser His Lys Thr Thr Lys Glu Asp Thr Val
 145 150 155 160

Ser Trp Phe Lys Gln Lys Tyr Asp Ala Asp Val Leu Asp Lys
 165 170

<210> 465
 <211> 1298
 <212> DNA
 <213> Candida albicans

<400> 465
 gcaacattac cactttgtac ggagcgtcag aaagaacgca cctcatcatt attatgagaa 60
 cagtacgata acttctgtct gagatacgtc tcgttggtat aatacaagtg aaaccgccac 120
 ggataattag cagcaattga acacaaggga tatcatttgt gtgaccttg ttcctctcat 180
 agttgctgtg aacccttttag taactattaa tgtttatttc atgagactag tcaaaacatt 240
 caataacagt ttttctatat gagaaaaaaa aaaaaaaaaa aaaaaatgaa aaagcaacag 300
 tacgattatt acactgacta tgctgcagtt tccgcaatag caaaattgtg tcacattaca 360
 cgaaagaaaag aaagaacgct atttcttata agagcaaact gttgataagt ttatagcaag 420
 aataaaaagg gtaaaaagtc attgataata accactgctg tgactatata taataagaat 480
 cgaactgtaa agttaaagca atggtgttcg gtcagctgta tgcccttttc atcttcacgt 540
 tatcatgttg tatttccaaa actgtgcaag cagattcatc caaggaaagc tcttccttta 600
 tttcgttcga caaagagagt aactgggata ccatcagcac tatatcttca acggcagatg 660
 ttatatcatc cgttgacagt gctatcgctg tttttgaatt tgacaatttc tcattattgg 720
 acaacttgat gattgacgaa gaatacccat tcttcaatag attctttgcc aatgatgtca 780
 gtttaactgt tcatgacgat tcgcctttga acatctctca atcattatct cccattatgg 840
 aacaatttac tgtggatgaa ttacctgaaa gtgcctctga ctactatat gaatactcct 900
 tagatgataa aagcatcggt ttgttcaagt ttacctcgga tgcctacgat ttgaaaaaat 960
 tagatgaatt tattgattct tgcttatcgt ttttgggaaga taaatctggc gacaatttga 1020
 ctgtgggttat taactctctt gggtgggctt ttgaagatga agatggtgac gatgaatatg 1080
 caacagaaga gactttgagc catcatgata acaacaaggg taaagaaggc gacgatgata 1140
 ttttaagctc catctggact gaaggactac taatgtgttt aatagtttct gcgttgctat 1200
 tgttcatttt gattgttgca ctttcttgga tatctaattt ggatatcaca tatggtgcgt 1260
 tggaaaaatc aacaaaccca ataaaaaaa acaattaa 1298

<210> 466
 <211> 265
 <212> PRT
 <213> Candida albicans

<400> 466
 Met Val Phe Gly Gln Leu Tyr Ala Leu Phe Ile Phe Thr Leu Ser Cys
 1 5 10 15

Cys Ile Ser Lys Thr Val Gln Ala Asp Ser Ser Lys Glu Ser Ser Ser
 20 25 30

Phe Ile Ser Phe Asp Lys Glu Ser Asn Trp Asp Thr Ile Ser Thr Ile

472

35	40	45
Ser Ser Thr Ala Asp Val Ile Ser Ser Val Asp Ser Ala Ile Ala Val 50 55 60		
Phe Glu Phe Asp Asn Phe Ser Leu Leu Asp Asn Leu Met Ile Asp Glu 65 70 75 80		
Glu Tyr Pro Phe Phe Asn Arg Phe Phe Ala Asn Asp Val Ser Leu Thr 85 90 95		
Val His Asp Asp Ser Pro Leu Asn Ile Ser Gln Ser Leu Ser Pro Ile 100 105 110		
Met Glu Gln Phe Thr Val Asp Glu Leu Pro Glu Ser Ala Ser Asp Leu 115 120 125		
Leu Tyr Glu Tyr Ser Leu Asp Asp Lys Ser Ile Val Leu Phe Lys Phe 130 135 140		
Thr Ser Asp Ala Tyr Asp Leu Lys Lys Leu Asp Glu Phe Ile Asp Ser 145 150 155 160		
Cys Leu Ser Phe Leu Glu Asp Lys Ser Gly Asp Asn Leu Thr Val Val 165 170 175		
Ile Asn Ser Leu Gly Trp Ala Phe Glu Asp Glu Asp Gly Asp Asp Glu 180 185 190		
Tyr Ala Thr Glu Glu Thr Leu Ser His His Asp Asn Asn Lys Gly Lys 195 200 205		
Glu Gly Asp Asp Asp Ile Leu Ser Ser Ile Trp Thr Glu Gly Leu Leu 210 215 220		
Met Cys Leu Ile Val Ser Ala Leu Leu Leu Phe Ile Leu Ile Val Ala 225 230 235 240		
Leu Ser Trp Ile Ser Asn Leu Asp Ile Thr Tyr Gly Ala Leu Glu Lys 245 250 255		
Ser Thr Asn Pro Ile Lys Lys Asn Asn 260 265		

<210> 467

<211> 854

<212> DNA

<213> Candida albicans

<400> 467

```

ccaagtatca tgggcttttg aaattagttt cccaccgatg agcgcaacga cttagcgaag 60
cttatgaaat tggtgacagc agctctatga atatgttcca tgcgtttcca ttcagggttac 120
taacaatgca taaattatga gtagtctttt tcatcactat ataaaacctt tttcaaacga 180
aacgctgttt ttgttggtac tatcttttgca ggtgcctttg ttttccaaac tgtatttgat 240
actgctatta cttcatggta cgagaatcac aacaaaggaa aattatggaa agatgtcaag 300

```

473

```

gctcgaatag ctgcaggcga tggagacgac gatgatgagt aaacgctgat tatgtcacac 360
atatacgtgc aaacgctctc tctctctctc aagctatata agtggcactc gtcttattta 420
ttattttttt attttggctg gttgttcctg ttcaacccaa cctcataaag gcactcaact 480
tcatattttg acacaaatct atgtctcgcc aaagcgcatt caaatttcag aatggaaata 540
gacacgaacg agcctgtctg tcagatgttc acaaaatcct tattataatt ttatattcta 600
ctaaaggaaa aagagaatta ggaaaaagaa taactcattt tatgtatata catatatttt 660
gtacatatct ataccaagca agtatagtgc aatactgttc ttcgacgtta ttaaactgaa 720
tagcattttc ttggtatcct ttgaatctta tatacaagta cgagtacata ctgcgcagta 780
aattgatcct gatggtgtgt ttagatttcg ccagaagcgg aggcgttctg gattctggag 840
atgtaagcct ttga
854

```

<210> 468

<211> 117

<212> PRT

<213> Candida albicans

<400> 468

```

Met Ser Arg Gln Ser Ala Phe Lys Phe Gln Asn Gly Asn Arg His Glu
  1             5             10             15

```

```

Arg Ala Cys Leu Ser Asp Val His Lys Ile Leu Ile Ile Ile Leu Tyr
      20             25             30

```

```

Ser Thr Lys Gly Lys Arg Glu Leu Gly Lys Arg Ile Thr His Phe Met
      35             40             45

```

```

Tyr Ile His Ile Phe Cys Thr Tyr Leu Tyr Gln Ala Ser Ile Val Gln
      50             55             60

```

```

Tyr Cys Ser Ser Thr Leu Leu Asn Val Ile Ala Phe Ser Trp Tyr Pro
      65             70             75             80

```

```

Leu Asn Leu Ile Tyr Lys Tyr Glu Tyr Ile Leu Arg Ser Lys Leu Ile
      85             90             95

```

```

Leu Met Val Cys Leu Asp Phe Ala Arg Ser Gly Gly Val Leu Asp Ser
      100            105            110

```

```

Gly Asp Val Ser Leu
      115

```

<210> 469

<211> 914

<212> DNA

<213> Candida albicans

<400> 469

```

aaatacaaat ccaagaaacc tcgatgagga tgactctgat gataatgatg actctgatga 60
gcgagagatt tggtagattc aagccctcta ctatgtttta tagttgacat atttgatat 120
aaaaacttat acattattaa acatttgcgc gtcgattgac ttttatttat tattaacaaa 180
gaagtaatac caacctaat acaataactt cgaagtgact atcataagtt tccttatcta 240
gcgaaggcaa cttttgaact cccagttgt taatatgtat cattatacac gacccaatca 300
aacgcgggga agtcaatgcc gaaagaattc taggacctaa aagctgctca atccttgggc 360
ctttccctaa tgacatcccc tctcaaactt tagcttagca gttgtattta atgtcctgtc 420

```

474

```

acggatagtc aataatcgtt gaagggtgat tttcatatcc ttcgcaattt cgtaaagcaa 480
caatagcaat acggactaaa atggtatggt ggtgtgtgtg tgtgctgctt cacatttcag 540
gctaaaaaatg ttatccgtgg aatcttcctt agccaagtat catgggcttt ggaaattagt 600
ttcccaccga tgagcgcgaac gacttagcga agcttatgaa attggtgaca gcagctctat 660
gaatatgttc catgcgtttc cattcagggt actaacaatg cataaattat gagtagtctt 720
tttcatcact atataaaaacc tttttcaaac gaaacgctgt ttttgttggg actatctttg 780
cagggtgcctt tgttttccaa actgtatttg atactgctat tacttcatgg tacgagaatc 840
acaacaaagg aaaattatgg aaagatgtca aggctcgaat agctgcaggc gatggagacg 900
acgatgatga gtaa 914

```

<210> 470

<211> 66

<212> PRT

<213> Candida albicans

<400> 470

```

Met Ser Phe Ser Ser Leu Tyr Lys Thr Phe Phe Lys Arg Asn Ala Val
  1             5             10             15

```

```

Phe Val Gly Thr Ile Phe Ala Gly Ala Phe Val Phe Gln Thr Val Phe
      20             25             30

```

```

Asp Thr Ala Ile Thr Ser Trp Tyr Glu Asn His Asn Lys Gly Lys Leu
      35             40             45

```

```

Trp Lys Asp Val Lys Ala Arg Ile Ala Ala Gly Asp Gly Asp Asp Asp
      50             55             60

```

```

Asp Glu
      65

```

<210> 471

<211> 1004

<212> DNA

<213> Candida albicans

<400> 471

```

gggcttttcc agtgccgcgg cctcgagatc caggcaccag gaactaggca cgctgtgtat 60
tctaacacat tgaagggcct agggccgctg acgtgggggc tagttccact ttttcattac 120
ctttttctcg tcttttcttg ctcccacagg ccgttaatgg cctgaaacag ttttgtgact 180
ttggacttat gataacgatg tttgtccggg tgccaccgga ttctatcgcg gcgaatcaag 240
tctagtctgt ttgcatccat caaggcactg ctcatgtgtg aaaattgttc tacgcttttg 300
tcatcaatca tatctaaact cacagccgct agggtaggtg tgctggcgag tggtaaggta 360
gccggctcgt ctttgggtcat gcgccaatac tgtcgaacgg ccgcgcgcta gcgttcttcg 420
gcttcaacct tagagctgat accttttgcc tgggtcaaagg cgaaaacgtc tacctcgctt 480
tactgctgct tttcgctttc atgacttcgt ttcaagcggg ctctttcgct ctcggttgta 540
acacacttgt agcctgctat gctttcaccc tactcgaaaa gcgtagcctc atgactagtt 600
gtaccaacgc ccttttcttt cttttttttc tcttgacact tcggcgattt catcgccact 660
gggtacaagcc gtatgggtgct tttttgctca ttttcgtttt gacggttcgca tgggttcgcy 720
gaccaatcgc atggggtggg gtggatgttg tctttgctag ttgcaacgta gtcttcttct 780
ctcctgcgct ttctgacgaa aattggcctt acgtatcttt tttcggcgct gttgtcgtca 840
tcgctgttca tataatcgct gtcactcata tcggcgcttt tactgcatgc tgtcttttga 900
agagagtttc attgaaaagt agtgaagaaa aaaaaaaaaa aaaaaaaaaa aaaaaggaaa 960
aaagcttaca tacggaaaga gaaaaaaaaa aaaagaaatt ttaa 1004

```


475

<210> 472
 <211> 167
 <212> PRT
 <213> Candida albicans

<400> 472
 Met Thr Ser Phe Gln Ala Val Ser Phe Ala Leu Gly Cys Asn Thr Leu
 1 5 10 15
 Val Ala Cys Tyr Ala Phe Thr Val Leu Glu Lys Arg Ser Leu Met Thr
 20 25 30
 Ser Cys Thr Asn Ala Leu Ser Phe Leu Phe Phe Leu Leu Thr Leu Arg
 35 40 45
 Arg Ile His Arg His Trp Tyr Lys Pro Tyr Gly Ala Phe Leu Leu Ile
 50 55 60
 Phe Val Leu Thr Leu Arg Trp Phe Arg Gly Pro Ile Ala Trp Val Val
 65 70 75 80
 Val Asp Val Val Phe Ala Ser Cys Asn Val Val Phe Phe Ser Pro Ala
 85 90 95
 Leu Ser Asp Glu Asn Trp Pro Tyr Val Ser Phe Phe Gly Val Val Val
 100 105 110
 Val Ile Ala Val His Ile Ile Val Val Thr His Ile Gly Ala Phe Thr
 115 120 125
 Ala Cys Cys Leu Leu Lys Arg Val Ser Leu Lys Ser Ser Glu Glu Lys
 130 135 140
 Lys Lys Lys Lys Lys Lys Lys Lys Glu Lys Ser Leu His Thr Glu Arg
 145 150 155 160
 Glu Lys Lys Lys Lys Lys Phe
 165

<210> 473
 <211> 1343
 <212> DNA
 <213> Candida albicans

<400> 473
 tcttatcttg tatgcccgat atagcaacct tgttggtacc aatctaacgg tttccgtact 60
 ttgcaatgaa gagatgagga ggcattgggtc acttatatta tatgtacggg tgtttacatg 120
 gagttgcttt ctttttttgt ctcagcagtc attgtgcgcc aaaaaaagag aaaaccgtga 180
 gccgaagtcc acgctctgga gttaggtctt cccattacgg agagaagcat ttcctcagcc 240
 tgggagcccc gttggaacag tcaggctaaa ctgggccttc ctaccactg cttgctgttt 300
 ctactggac gcacaagggg attttctttc taccttcggc ttgcctcact gcgttggggc 360
 ttcccaatgc aacttcgttc gtatgcatac aatcttttag atattatctt ttaaaattat 420
 tttaaaacaa ttttaaagt atctcatatg cttttcttct gctggtgaaa aggctaaaca 480

476

```

aagaagatca ataagataaa atgggtccat ctgggtatgtg aactgcaata ttaatagcac 540
gagaaaattg agaggaagat agatgggaac tagtagagtt gatattgatg agatacgaaa 600
accacacgta aataaactat cgcacgacaa gaatagtgca ttaaggactt gattaagata 660
tggtgagcaa cgtaattatc gggctcaaca gtttattagc aatcgttttg atagaagcgt 720
tgatgctgtg gaagttgttc tttttactac caacagccat taacaaatcc attagagtgt 780
tcgttcgttt ttctgctcag attcaagaaa attattccat cctcattata cttttttctt 840
ctatttcgtg ctccacgtcg aggtatcaag gaacatagtt tactaacatt aacgaattca 900
tctcctatga atttactttt tgtatagcta aggtactgc cgctaagaaa gctgtcggtta 960
agggactaa tggtagaag gctttgaagg tcagaacttc tgctaccttc agactaccaa 1020
agaccttgaa gttggctaga gctccaaaat atgcttccaa ggctgttcca cattacaaca 1080
gattggactc atacaaggctc attgagcaac caatcacttc tgaaaccgct atgaagaagg 1140
ttgaagatgg taacattttg gttttccaag tttccatgaa agctaacaaa taccaaatca 1200
agaaggcgt caaggaatta tacgaagttg acgtattgaa ggtaaacact ttgggttagac 1260
caaacggtac caagaaggct tacgttagat tgactgctga ctacgatgct ttggacattg 1320
ctaacagaat cggttacatt taa 1343

```

<210> 474

<211> 142

<212> PRT

<213> Candida albicans

<400> 474

```

Met Ala Pro Ser Ala Lys Ala Thr Ala Ala Lys Lys Ala Val Val Lys
  1             5             10             15

Gly Thr Asn Gly Lys Lys Ala Leu Lys Val Arg Thr Ser Ala Thr Phe
      20             25             30

Arg Leu Pro Lys Thr Leu Lys Leu Ala Arg Ala Pro Lys Tyr Ala Ser
      35             40             45

Lys Ala Val Pro His Tyr Asn Arg Leu Asp Ser Tyr Lys Val Ile Glu
      50             55             60

Gln Pro Ile Thr Ser Glu Thr Ala Met Lys Lys Val Glu Asp Gly Asn
      65             70             75             80

Ile Leu Val Phe Gln Val Ser Met Lys Ala Asn Lys Tyr Gln Ile Lys
      85             90             95

Lys Ala Val Lys Glu Leu Tyr Glu Val Asp Val Leu Lys Val Asn Thr
      100            105            110

Leu Val Arg Pro Asn Gly Thr Lys Lys Ala Tyr Val Arg Leu Thr Ala
      115            120            125

Asp Tyr Asp Ala Leu Asp Ile Ala Asn Arg Ile Gly Tyr Ile
      130            135            140

```

<210> 475

<211> 429

<212> DNA

<213> Candida albicans

477

<400> 475

```

cttatagcaa ctactaaagc ttcagctgct aaaaaagctg ctttgaaagg tgttaacggg 60
aaaaaggctt taaaagttag aactagtact actttcagat taccaaaaaac cttaaaatta 120
accagatctc caaaatacca aagaaaaatca gtcccacact acaacagatt ggatgcccac 180
aaaatcattg ttgctccaat tgccactgaa actgctatga aaaaagtcga agatggtaac 240
actttggttt tccaagttga catcaaatcc aacaaacacc aaatcaaatc tgctgttaaa 300
gaattatacg atgttgatgc cttatacggtt aacactttga tcagacctaa cggtaccaag 360
aaagcttaca tcagattaac ctctgactac gatgctttgg atattgctaa cagaatcggg 420
tacatctaa                                     429

```

<210> 476

<211> 142

<212> PRT

<213> Candida albicans

<400> 476

```

Leu Ile Ala Thr Thr Lys Ala Ser Ala Ala Lys Lys Ala Ala Leu Lys
  1             5             10             15

Gly Val Asn Gly Lys Lys Ala Leu Lys Val Arg Thr Ser Thr Thr Phe
          20             25             30

Arg Leu Pro Lys Thr Leu Lys Leu Thr Arg Ser Pro Lys Tyr Gln Arg
          35             40             45

Lys Ser Val Pro His Tyr Asn Arg Leu Asp Ala His Lys Ile Ile Val
          50             55             60

Ala Pro Ile Ala Thr Glu Thr Ala Met Lys Lys Val Glu Asp Gly Asn
          65             70             75             80

Thr Leu Val Phe Gln Val Asp Ile Lys Ser Asn Lys His Gln Ile Lys
          85             90             95

Ser Ala Val Lys Glu Leu Tyr Asp Val Asp Ala Leu Tyr Val Asn Thr
          100            105            110

Leu Ile Arg Pro Asn Gly Thr Lys Lys Ala Tyr Ile Arg Leu Thr Ser
          115            120            125

Asp Tyr Asp Ala Leu Asp Ile Ala Asn Arg Ile Gly Tyr Ile
          130            135            140

```

<210> 477

<211> 117

<212> DNA

<213> Candida albicans

<400> 477

```

ttagataccc aacttagttc ttctccagtg tcttctttta gcattgtatc tgattttggt 60
gtcagttctc aatctgatcc attgtggcaa tggctgtgtt tgcttttgag ccttagc   117

```

<210> 478

478

<211> 39
 <212> PRT
 <213> Candida albicans

<400> 478
 Leu Asp Thr Gln Leu Ser Ser Ser Pro Val Ser Ser Phe Ser Ile Val
 1 5 10 15
 Ser Asp Phe Val Val Ser Ser Gln Ser Asp Pro Leu Trp Gln Trp Ser
 20 25 30
 Val Leu Leu Leu Ser Leu Ser
 35

<210> 479
 <211> 198
 <212> DNA
 <213> Candida albicans

<400> 479
 atgttgacag tccttggtcg tttacttgaa agaaactcaa tctacgttgc cactatcttt 60
 ggcggtgctt ttgctttcca aggttttttc gatgttgacag tgaacaaatg gtgggaggaa 120
 cacaacaaag ctaaattatg gaaaaacgtc aaaggaaaat tccttgaagg tgaaggtgaa 180
 gaagaagatg acgaataa 198

<210> 480
 <211> 65
 <212> PRT
 <213> Candida albicans

<400> 480
 Met Leu Thr Val Leu Gly Arg Leu Leu Glu Arg Asn Ser Ile Tyr Val
 1 5 10 15
 Ala Thr Ile Phe Gly Gly Ala Phe Ala Phe Gln Gly Phe Phe Asp Val
 20 25 30
 Ala Val Asn Lys Trp Trp Glu Glu His Asn Lys Ala Lys Leu Trp Lys
 35 40 45
 Asn Val Lys Gly Lys Phe Leu Glu Gly Glu Gly Glu Glu Glu Asp Asp
 50 55 60
 Glu
 65

<210> 481
 <211> 457
 <212> DNA
 <213> Candida albicans

<400> 481

479

```

atggttcaat ctatgacatc tgcgttaag gcagctaatt tcatttttagc aagaccaaca 60
ttatcaaaaa tcattacacc acttgctcaa aaattcactg cttatgcagg gtatagagaa 120
atgggattaa aattcaatga tttacttctt gaagaaaccc caattatgca aactgctatt 180
aaaagattac cttcagaatt aaattattca agaaatttta gaattcttac tgctcatcaa 240
ttagcttttat ctcatcaatt attaccagct gaaaaagctg ttaaacctga agaagatgat 300
aattattttga ttccttatat tttagaagct gaaaaggaag cttttgaaaa agctgtattg 360
gggaatattg acgctagtgc gattgtaatt aatacgacga ataagaaacg gacgaggaag 420
aggaagaaga tgagaagggtc aaacattgaa atatgaa 457

```

<210> 482

<211> 151

<212> PRT

<213> Candida albicans

<400> 482

```

Met Val Gln Ser Met Thr Ser Val Val Lys Ala Ala Asn Phe Ile Leu
  1           5           10           15
Ala Arg Pro Thr Leu Ser Lys Ile Ile Thr Pro Leu Ala Gln Lys Phe
          20           25           30
Thr Ala Tyr Ala Gly Tyr Arg Glu Met Gly Leu Lys Phe Asn Asp Leu
          35           40           45
Leu Leu Glu Glu Thr Pro Ile Met Gln Thr Ala Ile Lys Arg Leu Pro
          50           55           60
Ser Glu Leu Asn Tyr Ser Arg Asn Phe Arg Ile Leu Thr Ala His Gln
          65           70           75           80
Leu Ala Leu Ser His Gln Leu Leu Pro Ala Glu Lys Ala Val Lys Pro
          85           90           95
Glu Glu Asp Asp Asn Tyr Leu Ile Pro Tyr Ile Leu Glu Ala Glu Lys
          100          105          110
Glu Ala Phe Glu Lys Ala Val Leu Gly Asn Ile Asp Ala Ser Ala Ile
          115          120          125
Val Ile Asn Thr Thr Asn Lys Lys Arg Thr Arg Lys Arg Lys Lys Met
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Arg Arg Ser Asn Ile Glu Ile
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<211> 399

<212> DNA

<213> Candida albicans

<400> 483

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<213> Candida albicans

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      20              25              30

Arg Leu Leu Arg Lys Gly Asn Tyr Ala Gln Arg Ile Gly Ser Gly Ala
      35              40              45

Pro Val Tyr Leu Thr Ser Val Leu Glu Tyr Leu Ala Ala Glu Ile Leu
      50              55              60

Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Ser Arg Ile Ile
      65              70              75              80

Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys
      85              90              95

Leu Leu Gly Asp Val Thr Ile Ala Gln Gly Gly Val Leu Pro Asn Ile
      100             105             110

His Gln Asn Leu Leu Pro Lys Lys Ser Gly Lys Gly Gly Val Lys Ala
      115             120             125

Ser Gln Glu Leu
      130

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